Appendix B: Hazardous Materials and Contamination Reports

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Phase I Environmental Site Assessment

South Airpark

Lot 15, Block 23

Anchorage, AK 99502

May 18, 2021

11711 South Gambell Street

Anchorage, AK 99515-3444

(907) 349-2511 info@chemtrack.net

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Acronyms

ADEC	Alaska Department of Environmental Conservation
AFFF	Aqueous Film Forming Foam
AK	Alaska
AIA	Anchorage International Airport
ASTM	American Society for Testing and Materials
AWWU	Anchorage Water and Wastewater Utility
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Sites (RCRA)
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FCC	Federal Communications Commission
FUDS	Formerly Used Defense Sites
NPL	National Priorities List
PFAS	perfluorinated compounds
RAP	reclaimed asphalt paving
REC	Recognized Environmental Condition
RCRA	Resource Conservation and Recovery Act
TSD	Treatment, Storage, or Disposal
USACE	United States Army Corps of Engineers
USC	United States Code
UST	Underground Storage Tank

Executive Summary

An Environmental Site Assessment (American Society for Testing and Materials [ASTM] E1527-13) was conducted on an industrial transportation property, Seward Meridian, Township 12 North, Range 4 West, Section 4, Lot 15 Block 23 at the Anchorage International Airport, in Anchorage, AK. ChemTrack has no affiliation with the parties in this real estate transaction. The property and the surrounding area are located at the airport; the subject property is located within a restricted area. No recognized environmental conditions were observed during the site visit or identified from the database searches; however, three RECs were identified during the user interviews. Additional investigations would provide useful information for hazard mitigation during development.

Introduction

Property

The subject property is located at Lot 15 Block 23 in Section 4 of Township 12 North, Range 4 West, Seward Meridian at Anchorage International Airport, Anchorage, AK 99502.

Purpose

The purpose of this environmental site assessment (ESA) was to identify Recognized Environmental Conditions (RECs) present at the subject property as well as on adjacent and surrounding properties. Additionally, an assessment of identified RECs was made regarding potential impact and liabilities affecting the subject property users, contiguous property owners, and prospective purchasers. This ESA was conducted in accordance with the Standard Practice for ESAs Phase I method per ASTM E 1527-13.

Scope of Services

The scope of services for this assessment included a review of historical information, state, federal and local government agency contaminated sites databases, other reasonably ascertainable public records, municipal property tax records, interviews with people familiar with the property, and a site inspection.

Limitations

Findings of this assessment are limited to information available in reasonably ascertainable public records and observations from the site inspection on May 5, 2021. Site conditions, activities, and usage may have changed since the site inspection. One limiting condition was encountered during the site inspection, we were unable to observe the entire property due to airport restrictions and fencing. No deviations, or exceptions to the standard practice were made. No significant assumptions or special terms and conditions were made for this assessment.

Records Review

Standard Search Distances

ChemTrack Alaska, Inc. ordered a database search of historical topographical maps, aerial photos, and federal and state environmental records and by Envirosite Corporation. The search radii met or exceeded the requirements of the ASTM for this practice. The subject property is not listed in the databases searched. Relevant findings of the database search are discussed below; the reports are included in Appendices B, C, and D respectively.

Environmental Information

The subject property is not listed in the databases searched. No unmapped sites reported are near the subject property or potentially contribute to a REC on the subject property. Relevant results of the record search for the adjoining, and adjacent properties are detailed below. Results that were not considered potential significant contributors to RECs include sites with ‘Institutional Controls’, ‘No Further Action’, ‘Permanently Out of Use’, or ‘Cleanup Complete’, or ‘Closed’. The full government records database search report is included in Appendix D.

State Institutional Controls / Engineering Controls Registries

One remediation site is located within the search radii of the subject property; the Alaska Department of Environmental Conservation (ADEC) contaminated sites database entry for this site indicates the

Institutional Controls have been removed from the site as they are no longer necessary due to a regulation change regarding drinking water wells at Anchorage International Airport (AIA) and subsequent decommissioning of drinking water wells located at AIA. The site is located 0.368 mile to the east-northeast (Map ID B7 – ERA Helicopters – Aviation Center – Blue Hangar).

State and Tribal Leaking Storage Tank Lists

There are seven sites listed within 0.5 mile of the subject property. Six of the sites have a status of cleanup complete. The remaining is detailed below; no potential contribution to a REC for the subject property was identified.

Map ID B5 – Signature Flight Support – Anchorage / AIA Signature Flight Support UST Dispenser

The ADEC contaminated sites database states the site had a leaking gasket on an underground storage tank (UST) following maintenance which resulted in Jet A fuel spilled to asphalt; cleanup of contaminated soil is ongoing. The site is located 0.355 mile to the east northeast of the subject property and is not considered to contribute to a REC for the subject property.

State and Tribal – Equivalent CERCLIS

Eight sites are listed within one mile of the subject property. Two of these are open; the remaining sites have a status of cleanup complete or cleanup complete – institutional controls and are detailed in the database search records. The open sites are detailed below. The other sites were reviewed for any potential contribution to a REC for the subject property; no potential contribution was identified.

Map ID B7 – ERA Helicopters – Aviation Center – Blue Hangar

The ADEC contaminated sites database states the site is part of a former UST facility; a 10,000-gallon Jet B tank was decommissioned and removed along with associated contaminated soil in 1994. Additional UST investigation work was conducted in 2001. Institutional controls were in place for the site until drinking water wells at AIA were all decommissioned in 2015. The site is located 0.368 mile to the east northeast of the subject property and is not considered to contribute to a REC for the subject property.

Map ID 18 – AIA Landspreading Area

The ADEC contaminated sites database states the site is an established location for treatment of fuel contaminated soils by landspreading at AIA. Soils from multiple tank removals and various projects have been spread here starting in 1997; details of numerous sampling events are provided on the database entry. Monitoring wells are in place and are sampled regularly; annual reporting is submitted for the site following monitoring. Groundwater was determined to flow to the southeast from this site. The site is located 0.882 mile to the west northwest of the subject property and is not considered to contribute to a REC for the subject property.

Other Ascertainable Records

Four sites are listed within one mile of the subject property and are detailed below.

Map ID 13 - Ted Stevens IAP

The Department of Defense site is located 0.567 mile to the east. There is no contribution to a REC for the subject property from this site.

Map ID 14 - Federal Land

The site is located 0.615 mile to the east northeast. There is no contribution to a REC for the subject property from this site.

Map ID 16 – Anchorage Air National Guard

This is a FUDS site; it is located 0.778 mile to the east northeast. The US Army Corps of Engineers (USACE) describes the property as 34.83 acres at AIA; there are currently no cleanup projects at the site. There is no contribution to a REC for the subject property from this site.

Map ID 17 – Anchorage International Airport AAA Gun

This is a FUDS site; it is located 0.876 mile to the east northeast. The USACE describes the property as located around the perimeter of the airport. There are currently no cleanup projects at the site. There is no contribution to a REC for the subject property from this site.

Databases with no Listings

No mapped listings were found for the following databases searched (detailed list provided in search report, Appendix D):

- Federal RCRA Non-CORRACTS TSD Facilities List
- Federal CERCLIS List
- Federal RCRA CORRACTS Facilities List
- Federal Delisted NPL Site List
- Federal Landfill and/or Solid Waste Disposal Site Lists
- Federal ERNS List
- Federal Institutional Controls / Engineering Controls Registries
- Federal NPL Site List
- Federal RCRA Generators List
- State and Tribal Registered Storage Tank Lists
- State and Tribal Brownfield List
- State Institutional Controls / Engineering Controls Registries
- State and Tribal Leaking Underground Storage Tank Lists
- State and Tribal Landfill and/or Solid Waste Disposal Site Lists
- State and Tribal Voluntary Cleanup Sites
- Local Brownfield Lists
- Local Lists of Hazardous Waste / Contaminated Sites
- Records of Emergency Release Reports
- Local Lists of Landfill / Solid Waste Disposal Sites
- Local Land Records
- Other Ascertainable Records

Additional Federal, State, Tribal, and Local Environmental Record Sources

Additional records were not judged by the environmental professional to enhance and supplement the standard sources. The objective of the records review was deemed to be met and to be accurate and complete based on the results of the standard sources.

Physical Settling Sources

Topographical maps were obtained of the area dated 1952, 1953, 1979, 1994, 2016, and 2019 (latest available – USGS Anchorage A-8 NW). The purpose of reviewing these sources is to obtain information on the geologic, hydrogeologic, hydrologic and topographic characteristics of the site as it relates to the potential for hazardous substances to migrate to the property from adjoining sites or from within the property into the groundwater or soil. No such conditions of concern were identified. The subject property is located on undulating to flat land. Roads are present south and east of the property on the earliest topo map as well as a gravel pit to the south and the airport to the north. In 1973 the radio facility is present to the west; the Air National Guard base is present to the east and development of local roads and housing is present to the south. No topographic changes of concern are present on the more recent maps. Property elevation is approximately 106 feet above sea level. The topographic gradient of the site is to the east. The local soil map indicates soils are well drained Smithfha Series on the subject property and surrounding area. There are no wells located less than 1/8 mile of the subject property. The search results report is included in Appendix C.

Historical Use Information

Historical aerial photos were obtained of the area dating 1950, 1951, 1953, 1962, 1964, 1972, 1974, 1977, 1978, 1982, 1984, 1985, 1988, and 1996. The subject property and surrounding area are partially developed by 1950 with evidence of cleared vegetation on part of the subject property and a road (Raspberry) constructed on the south side of the property along with airport development to the north including a cleared line of vegetation from the subject property to a small road that extends east and northwest. The 1951 photo shows a larger area (zoomed out), reflecting an assumed similar level of development of the area as 1950. In the 1953 photo the area of clearing between the subject property and the airport appears to have activity; additional local roads are present to the south. The 1962 and 1964 photos are a little blurry but there appears to be limited change to the surrounding area beyond some activity at the radio antenna site to the west. No apparent change in the 1972 photo beyond some clearing to the west presumed associated with the radio antenna to the west. The 1974 photo shows more of the surrounding area; slow continued development is evident, as is the antenna site to the west and gravel extraction site to the south as well as the connection between clearing to the east and the airport. Little change in the 1977 and 1978 photos. In 1982 the area to the east is clearly more developed and associated with the airport operations (planes and hangars next to a taxiway). 1984 and 1985 photos show increased residential development to the south. 1988 and 1996 photos are more localized (zoomed in) of the subject property with increased slow residential development to the south. Throughout the photos there is no obvious change to the use of the subject property. The historical aerial photo search results report is included in Appendix B.

There may be use of the subject property and adjacent and surrounding area prior to 1940, assumed to be associated with initial military ownership and use of the area. While there are several gaps in the photos that are larger than the standard 5 year increments the use of property between these larger gaps remains unchanged.

Google Earth imagery was also reviewed at an eye altitude of 3,402 feet; aerial photos are available for the subject property from 1985, 1996, 2002, 2004, 2005, 2006, 2007, 2010, 2011, 2012, 2014, 2017, 2018, and 2020. The earliest images show a rectangular cleared area on the eastern edge of the subject property adjacent to the hangars by the taxiway. Limited changes are evident; in 2005 there are some vehicles present in the rectangular cleared area along with clearing of vegetation on the north edge of

the subject property. In 2006 a new taxiway is present in part of this cleared area. In 2007 hangars appear east of the new taxiway. In 2010 the area west of the new taxiway appears to be developed as a gravel or material sorting operations; by 2011 this activity has ceased, and no additional activity is observed in this location. There are no observations from the historical use review that contribute to RECs for the subject property.

Prior Assessments

A prior environmental assessment of the subject property was conducted in 2010 (Environmental Due Diligence Assessment). The assessment makes several recommendations for additional study; it is unknown if those studies have been conducted.

An Airport Wide Characterization Report for perfluorinated compounds (PFAS) was published in February 2020 and was reviewed. The sampling effort included groundwater sampling at the radio property to the west of the subject property; no PFAS were detected in this sample. Surface water flow direction at sites nearest the subject property at sample locations with results above ADEC limits are away from the property.

A Phase I was prepared in 2010 for the transfer of ownership of the former FCC facility to the west. The report was obtained and reviewed for additional information. No RECs were identified for the subject property from this assessment. No additional assessments are known for the subject property.

Site Reconnaissance

Site and Vicinity General Characteristics

The subject property is in an industrial transportation (airport) area, adjacent to a local road; adjacent and surrounding properties are developed for industrial transportation uses with residential properties to the south. The topography of the area is undulating where not developed as hardened surfaces.

Methodology and Observations

A site reconnaissance of the subject property and surrounding area was conducted on May 5, 2021. In attendance was the Environmental Professional. The property was viewed from outside the chain link fence on the south and east sides.

Limiting conditions include the chain link fence and access to the airport side of the property (north and northeast) as well as the radio antenna side of the property (west). The site generally had good visibility for 50-100 feet from the fence, depending on local topography. Site photos are included in Appendix A.

The property consists primarily of undeveloped vegetated acreage with no structures. The northeast corner has a cleared area adjacent to an existing taxiway with airplanes currently parked on it. Access to the property is restricted and only available from the airport side of the fence. No exterior drains or sumps were observed. No pits, ponds, or lagoons were observed.

Adjacent properties are generally similar in use to the northeast corner of the subject property – industrial airport development such as hangars. The undeveloped portions of the property are assumed to be at low risk for RECs based on existing fencing preventing general access.

User Provided Information

We contacted the AIA Leasing office but did not receive a response to our enquiries for past and current use of the subject property. The AIA Environmental Manager provided information via email, summarized below. Additional personnel were also contacted to follow up with available information on the fill source at Raspberry Road as well as aircraft ownership.

Scott Lytle – Environmental Manager, AIA

Mr. Lytle provided information about potential environmental concerns near the subject property. He stated that PFAS is potentially present to the northwest of the site at an active fire pit (in use since at least the 1970s). The area was cleaned up in 1988-1990 and a new lined fire pit was installed over the top of the former unlined pit. PFAS and AFFF was used there as well as to the south and east as fire prevention of wooded areas in dry years during training.

The area to the west of the fire pit is a firing range which has been used by airport police, national guard, and federal agencies for target practice and training. An earthen berm is present to stop bullets. No testing of the soil beyond the berm for lead has occurred.

The former FCC facility is to the west and a Phase I report is available for that site; currently the building is used by a ham radio group.

A flat area west of taxiway Z was installed for an asphalt plant that operated for a year for an airport project. No known spills are associated with the plant operations. It is currently used to store inoperable aircraft. He does not know their current ownership or status. There are no drains or sumps present in the area; it is not paved but does have a layer of RAP on the surface.

A snow dump area is present near the bend in taxiway Z on the western side. The snow comes off the ramps and parking areas. No sampling has been done here. This area drains to a low area to the west before seeping into the ground; discoloration is evident from the gloycol in the snow. The melt water does not flow off property.

Fill has been placed along Raspberry Road for a future berm. He was unsure where the fill was sourced from for this berm. No sampling of the fill has been conducted.

Drinking water wells are present at the residences south of Raspberry Road and a well is present at the former FCC facility but it is not used for drinking water. It was tested a few years ago for PFAS; results were non-detect. Residential wells have not been tested.

There have been spills of petroleum products by the tenants at the south airpark. He has no knowledge of any suggestion that migration has occurred far from the spill location lots.

AWWU water and sewer is present at the intersection of Raspberry and Sand Lake Roads and the current tenants of south airpark are connected to this service. There used to be wells and he does not know if there was ever septic.

Mike Lee – Department of Transportation

Additional information on the projects that filled part of the berm were provided. Four projects were reviewed for potential information on the source of the material in the berm and whether any testing was performed on that material. Specifications for two of the projects did not require testing. One

project was only utility agreements, and no plans were found to review. One project (Kulis Access and Security) showed material was tested before it was placed. Plans were provided for berm construction at the South Airpark entrance.

Evaluation and Conclusions

The report of PFAS and AFFF being applied to the wooded area south and east of the fire training center is considered a REC for the subject property as the wooded area to the east appears to be part of the subject property. There is no known soil or water sampling data available for this area. Sampling could remove this REC.

The firing range has a low probability of a significant quantity of lead bullets passing beyond the berms. It is not considered a REC for the subject property.

The snow dump is adjacent to and potentially extends onto the northeast corner of the subject property. Impacts to the local vegetation are reported. Potential impacts are likely localized and not extensive; it is anticipated that impacts would not extend beyond topographical constraints. This is considered a REC for the subject property.

Ownership of the planes reportedly parked in the area adjacent to taxiway Z was unable to be established for further follow up during this ESA. Additional assessment is recommended to determine the mechanical status of these planes and their potential for leaking contaminants onto the RAP. Without additional information this is considered a potential REC.

Fill placed in berms along Raspberry Road do not have a complete documented history of testing or known source; some of the material is known to have been tested prior to placement. This is not historic fill and has a low likelihood of contamination. If there is no indication of contamination on the back side of the berm not visible from outside the fence, then this is a low probability for contamination to be present. This is not considered to be a REC for the subject property.

RECs were identified in this assessment from information provided by current property users, as detailed above. It is the Environmental Professional's opinion that there is limited impact on the property from these RECs, but information gained from additional investigation may alter that assessment. There are no records of any concern in the database search or other reasonably ascertainable records. Additional investigations could reduce the uncertainty or even the status of RECs. Sampling of the soil and water near the PFAS/AFFF application location and the snow dump drainage area would provide insight into management needs for soil in these locations; additionally, information on the planes stored near taxiway Z would determine whether this area is a REC.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527 of the Subject Property (Lot 15, Block 23, Anchorage, AK 99502). No exceptions to, or deletions from, this practice were made. One limitation was encountered, the ability to observe all sides of the property from the ground.

Non-Scope Services

No additional non-scope services were conducted as part of this assessment. Soil and water sampling at two RECs are recommended for this property assessment. Additional inquiry into the ownership and maintenance status of the airplanes is also recommended and may also warrant sampling.

Environmental Professional Statement

I declare that to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed *all appropriate inquiries* in conformance with the standards and practices set forth in 40 CFR 312 and that, per 18 USC 1001, the information and findings contained in this report are true and correct to the best of my knowledge.

Conducted by:

5/18/21

_____

Melissa Becker Date

ChemTrack Alaska, Inc.

11711 S Gambell St, Anchorage, AK

Appendices

A - Site Photographs

1: Radio antenna facility to the west

2: Southern property boundary (typical)

3: Residential area to the south (typical)

4: Southwest corner of the property

5: South edge of property facing north

6: Airplanes parked adjacent to taxiway

7: East side of property

8: Hangar on adjoining property

B - Historical Aerial Photo Report

Historical Aerial Photo Report | 2021

Order Number: 54629
Report Generated: 05/07/2021

Project Name: South Airpark
Project Number:

South Airpark
Anchorage, AK, 99502

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2 Corporate Dr
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Historical Aerial Photo Report 2021

Envirosite's Historical Aerial Photo Report is designed to assist in evaluating a subject property resulting from past activities. Envirosite's Historical Aerial Photo Report includes a search of available historical aerial photographs, dating back to the 1930s, or earliest available photographs.

ENVIROSITE SEARCHED SOURCES

SUBJECT PROPERTY:

South Airpark
Anchorage, AK, 99502

YEAR:	***SCALE:***	***SOURCE:***
1950	1" = 1,000'	U.S.G.S
1951	1" = 1,000'	U.S.G.S
1953	1" = 500'	U.S.G.S
1962	1" = 500'	U.S.G.S
1964	1" = 500'	U.S.G.S
1972	1" = 500'	U.S.G.S
1974	1" = 1,000'	U.S.G.S
1977	1" = 1,000'	U.S.G.S
1978	1" = 1,000'	U.S.G.S
1982	1" = 1,000'	U.S.G.S
1984	1" = 1,000'	U.S.G.S
1985	1" = 1,000'	U.S.G.S
1988	1" = 500'	U.S.G.S
1996	1" = 500'	DOQ

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FLIGHT YEAR:
1950

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1951

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1953

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
1962

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
1964

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
1972

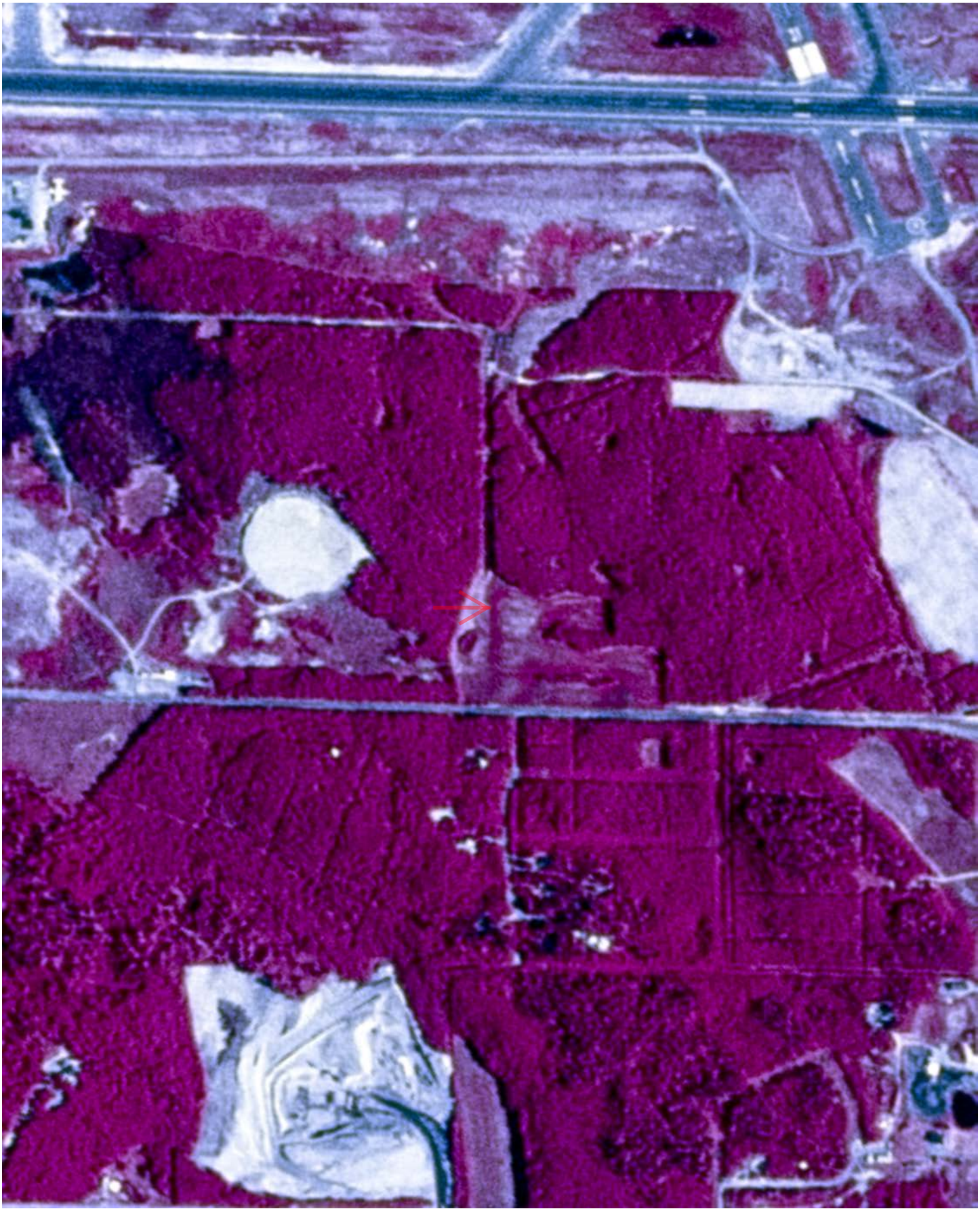
N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
1974

N
W E
S

Scale: 1" = 1,000'



FLIGHT YEAR:
1977

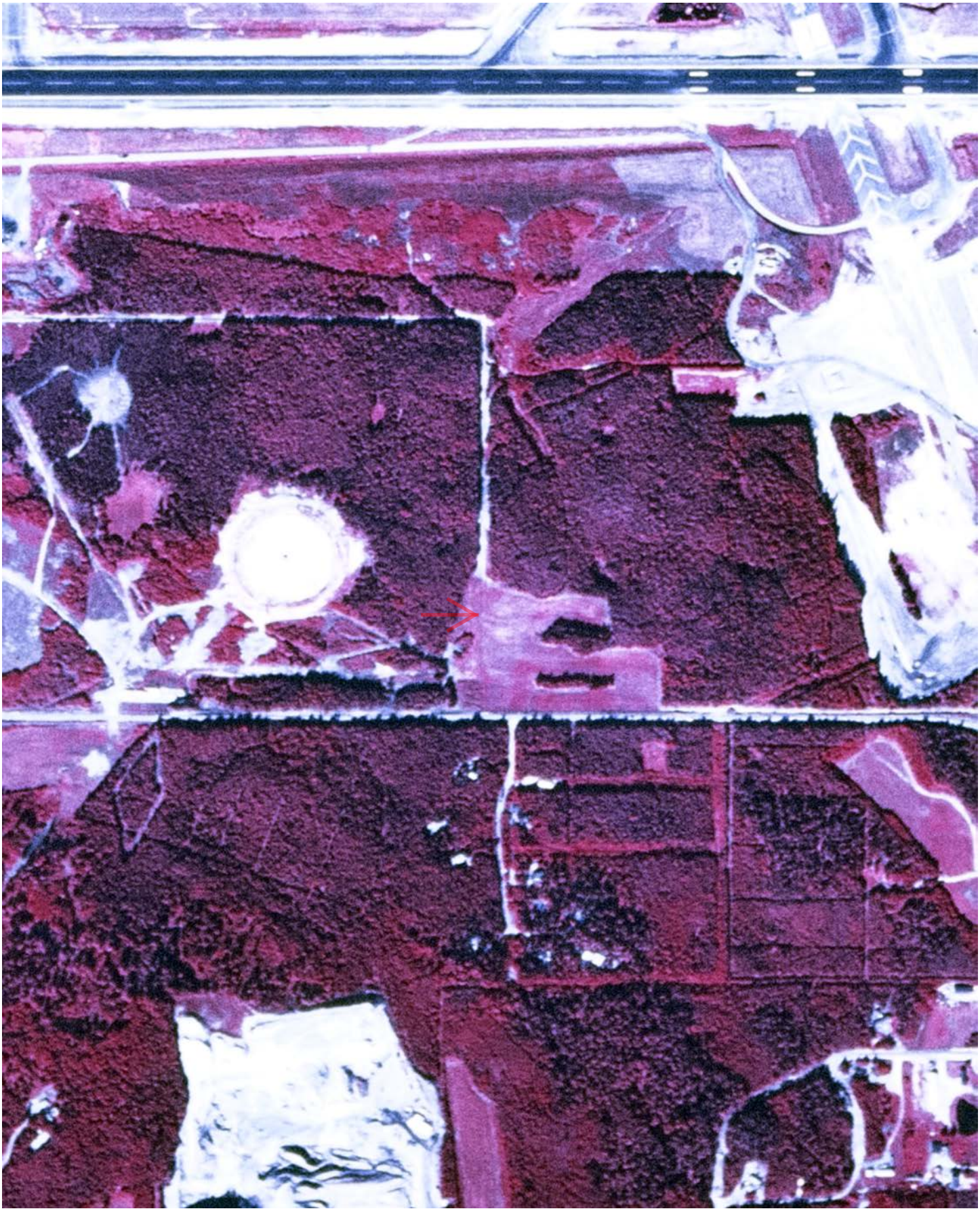
N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1978

N
W E
S

Scale: 1" = 1,000'



FLIGHT YEAR:
1982

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1984

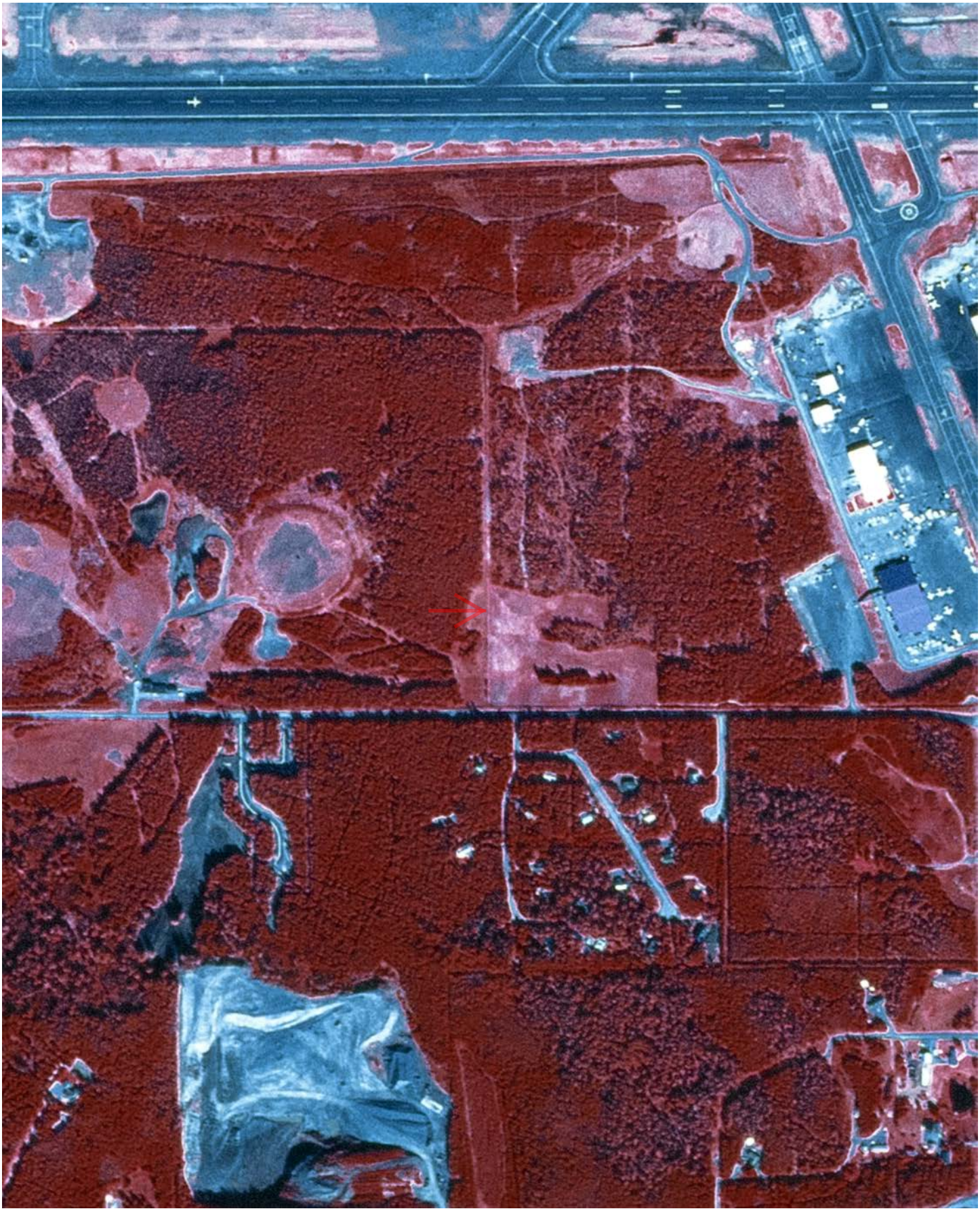
N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1985

N
W E
S

Scale: 1" = 1,000'



FLIGHT YEAR:
1988

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
1996

N
W E
S

Scale: 1" = 500'

C - Historical Topographic Map Report

Historical Topographic Map Report | 2021

Order Number: 54629
Report Generated: 05/05/2021

Project Name: South Airpark
Project Number:

South Airpark

Anchorage, AK 99502

2 Corporate Drive
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Envirosite's Historical Topographic Map Report is designed to assist in evaluating a subject property resulting from past activities. Envirosite's Historical Topographic Map Report includes a search of USGS historical topographic maps, dating back to the early 1900s.

TOPOGRAPHIC MAPS FOUND:

	Map Name:	Year:	Revision Year:	Scale:
1.	Anchorage A-8	1952	N/R	1 : 63360
2.	Anchorage A-8	1953	N/R	1 : 63360
3.	Anchorage A-8 NW	1979	N/R	1 : 25000
4.	Anchorage A-8 NW	1979	N/R	1 : 25000
5.	Anchorage A-8	1994	N/R	1 : 63360
6.	Anchorage_A-8_NW	2016	N/R	1 : 25000
7.	Anchorage_A-8_NW	2019	N/R	1 : 24000

The USGS 7.5 minute series includes scales 1:24,000 / 1:25,000 / 1:31,680. The USGS 15 minute series includes scales 1:48,000 / 1:62,500 / 1:63,360. The USGS 30x60 minute series scale is 1:100,000.

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SUBJECT NAME: South Airpark
ADDRESS: Anchorage, AK, 99502
LAT/LONG: 61.160644 / -149.995691

PREPARED FOR: ChemTrack
ORDER #: 54629
REPORT DATE: 05/05/2021

SUBJECT QUAD:

MAP NAME:	Anchorage A-8	MAP YEAR:	1952	REVISION YEAR:	N/R
SCALE:	1 : 63360	Part	1		

SUBJECT NAME: South Airpark
ADDRESS: Anchorage, AK, 99502
LAT/LONG: 61.160644 / -149.995691

PREPARED FOR: ChemTrack
ORDER #: 54629
REPORT DATE: 05/05/2021

SUBJECT QUAD:

MAP NAME:	Anchorage A-8	MAP YEAR:	1953	REVISION YEAR:	N/R
SCALE:	1 : 63360	Part	1		

SUBJECT NAME: South Airpark
ADDRESS: Anchorage, AK, 99502
LAT/LONG: 61.160644 / -149.995691

PREPARED FOR: ChemTrack
ORDER #: 54629
REPORT DATE: 05/05/2021

SUBJECT QUAD:

MAP NAME:	Anchorage A-8 NW	MAP YEAR:	1979	REVISION YEAR:	N/R
SCALE:	1 : 25000	Part	1		

SUBJECT NAME: South Airpark
ADDRESS: Anchorage, AK, 99502
LAT/LONG: 61.160644 / -149.995691

PREPARED FOR: ChemTrack
ORDER #: 54629
REPORT DATE: 05/05/2021

SUBJECT QUAD:

MAP NAME:	Anchorage A-8 NW	MAP YEAR:	1979	REVISION YEAR:	N/R
SCALE:	1 : 25000	Part	1		

SUBJECT NAME: South Airpark	PREPARED FOR: ChemTrack
ADDRESS: Anchorage, AK, 99502	ORDER #: 54629
LAT/LONG: 61.160644 / -149.995691	REPORT DATE: 05/05/2021

SUBJECT QUAD:

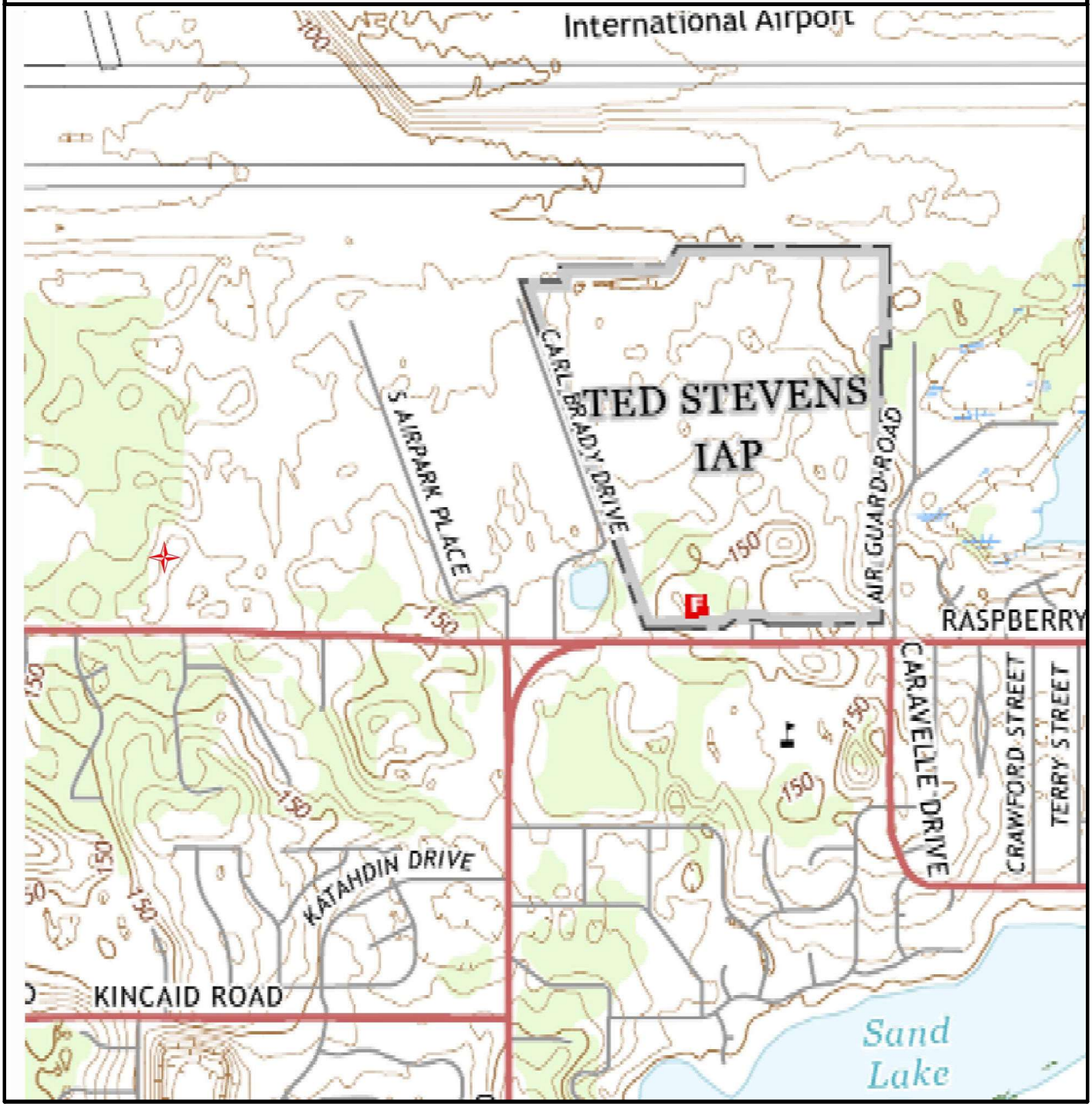
MAP NAME:	Anchorage A-8	MAP YEAR:	1994	REVISION YEAR:	N/R
SCALE:	1 : 63360	Part	1		

SUBJECT NAME: South Airpark
ADDRESS: Anchorage, AK, 99502
LAT/LONG: 61.160644 / -149.995691

PREPARED FOR: ChemTrack
ORDER #: 54629
REPORT DATE: 05/05/2021

SUBJECT QUAD:

MAP NAME:	Anchorage_A-8_NW	MAP YEAR:	2016	REVISION YEAR:	N/R
SCALE:	1 : 25000	Part	1		

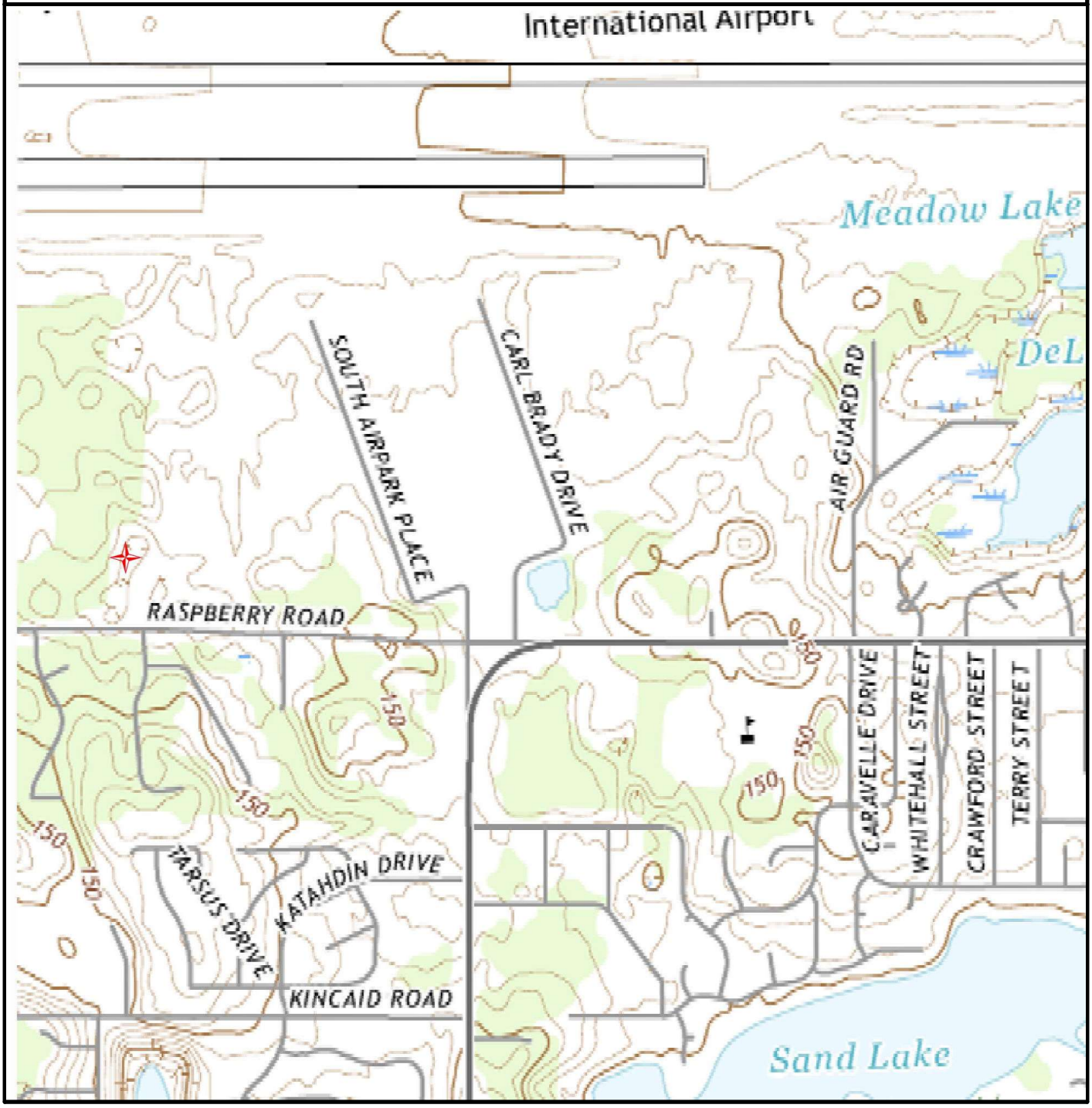


SUBJECT NAME: South Airpark
ADDRESS: Anchorage, AK, 99502
LAT/LONG: 61.160644 / -149.995691

PREPARED FOR: ChemTrack
ORDER #: 54629
REPORT DATE: 05/05/2021

SUBJECT QUAD:

MAP NAME:	Anchorage_A-8_NW	MAP YEAR:	2019	REVISION YEAR:	N/R
SCALE:	1 : 24000	Part	1		



D - Government Records Report

Government Records Report | 2021

Order Number: 54629

Report Generated: 05/05/2021

Project Name: South Airpark

Project Number:

South Airpark

Anchorage, AK 99502

2 Corporate Drive
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

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Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-13 Environmental Site Assessments standard.

SUBJECT PROPERTY INFORMATION:

ADDRESS:

South Airpark

Anchorage, AK 99502

COORDINATES:

Latitude (North):	61.160644 - 61°9'38.3"
Longitude (West):	-149.995691 - -149°59'44.5"
Universal Transverse Mercator:	Zone 6N
UTM X (Meters):	338833.71
UTM Y (Meters):	6784372.81

ELEVATION:

Elevation:	106 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:

Subject Property Map: 61149-B7 Anchorage A-8 NW, AK
Most Recent Revision: 2016

MAP ID	SITE NAME	ADDRESS	DATABASE(S)	RELATIVE ELEVATION	DIRECTION / DISTANCE
1	FEDERAL COMMUNICATION COMMISS...	6721 Raspberry Road	LUST - AK, UST - AK	Higher	W / 0.334 mi., 1764 ft.
A2	ALASKA HELICOPTERS INC | KNIK CON...	6400 S AIRPARK DR | 6400 ...	LUST - AK, MLTS, RCRA_NONGEN	Higher	E / 0.335 mi., 1769 ft.
A3	ALASKA HOVERCRAFT VENTURES | AI...	6441 S AIR PARK DR | 6441...	ECHO, FRS, LUST - AK, RCRA_NONGEN	Higher	E / 0.342 mi., 1806 ft.
4	MARKAIR EXPRESS INC | MarkAir Facil...	6311 S AIRPARK RD | 6311 ...	ECHO, FRS, LUST - AK, RCRA_NONGEN	Higher	ENE / 0.343 mi., 1812 ft.
B5	Signature Flight Support-Anchorage |...	6231 S. Airpark Place | 6...	ENOI, LUST - AK	Higher	ENE / 0.355 mi., 1875 ft.
6	TROY AIR INC. | Troy Air Hangar	6601 S AIRPARK RD | 6601 ...	LUST - AK, UST - AK	Higher	E / 0.366 mi., 1933 ft.
B7	ERA Helicopters - Aviation Center - Bl...	6160 South Airpark Drive;	I C - AK, SHWS - AK	Higher	ENE / 0.368 mi., 1944 ft.
B8	GREAT CIRCLE FLIGHT SERVICES, LLC...	6121 S. AIRPARK PLACE #2 ...	DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS...	Higher	ENE / 0.387 mi., 2044 ft.
B9	F.S. Air Service	6121 South Air Park	LUST - AK	Higher	ENE / 0.388 mi., 2049 ft.
10	AIA - Sand Lake Road Soil Stockpile	Sand Lake & Raspberry Rds	SHWS - AK	Higher	E / 0.464 mi., 2450 ft.
11	MarkAir - Anchorage 2	South Air Park Place	SHWS - AK	Higher	ENE / 0.474 mi., 2503 ft.
12	AIA Fire Training Pit	South of Runway 6R	SHWS - AK	Lower	WNW / 0.537 mi., 283...
13	TED STEVENS IAP	61.16588846, -149.9815949...	DOD	N/R	E / 0.567 mi., 2994 ft.
14	N/A	57.6123446, -152.48792506	FEDLAND	N/R	ENE / 0.615 mi., 3248 ft.
15	ANG Kulis Fire Rescue Station | ANG K...	Perimeter Road; Anchorage...	SHWS - AK	Higher	ENE / 0.638 mi., 3369 ft.
16	ANCHORAGE AIR NG	61.16522217, -149.9743652...	FUDS	Higher	ENE / 0.778 mi., 4108 ft.
17	ANCH INTL APRT AAA GUN	61.16998291, -149.9779052...	FUDS	Lower	ENE / 0.876 mi., 4626 ft.
18	AIA Landspreading Area	K Taxiway & Runway 6L	I C - AK, SHWS - AK	Higher	WNW / 0.882 mi., 465...
19	Chugach Electric Raspberry Substation	7020 Caravelle Drive	I C - AK, SHWS - AK	Higher	E / 0.986 mi., 5207 ft.

SUBJECT PROPERTY SEARCH RESULTS:

The subject property was not listed in any of the databases searched by Envirosite Corporation.

SEARCH RESULTS:

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

I C - AK: List of remediation sites with institutional controls in place **1 SITE FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B7	*ERA Helicopters - Aviation Center - Blue Hanger*	*6160 South Airpark Drive;*	*ENE / 0.368 mi., 1944 ft.*	*34*

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

LUST - AK: Leaking underground storage tank sites list **7 SITES FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
1	*FEDERAL COMMUNICATION COMMISSION | FCC, 1990 tank pull | Federal Communications Commission*	*6721 Raspberry Road*	*W / 0.334 mi., 1764 ft.*	*16*
	- ID: Hazard ID 23335	Status: Cleanup Complete	Date: N/A	
	- ID: Hazard ID 23323	Status: Cleanup Complete	Date: N/A	
A2	*ALASKA HELICOPTERS INC | KNIK CONSTRUCTION*	*6400 S AIRPARK DR | 6400 SOUTH AIRPARK DRIVE | 6400 South Airpark Drive;*	*E / 0.335 mi., 1769 ft.*	*18*
	- ID: Hazard ID 23611	Status: Cleanup Complete	Date: N/A	
A3	*ALASKA HOVERCRAFT VENTURES | AIA Lynden Incorporated Facility | United Parcel Service*	*6441 S AIR PARK DR | 6441 South Airpark Drive*	*E / 0.342 mi., 1806 ft.*	*21*
	- ID: Hazard ID 24739	Status: Cleanup Complete	Date: N/A	
	- ID: Hazard ID 23691	Status: Cleanup Complete	Date: N/A	
4	*MARKAIR EXPRESS INC | MarkAir Facility (Former)*	*6311 S AIRPARK RD | 6311 South Airpark Place;*	*ENE / 0.343 mi., 1812 ft.*	*25*
	- ID: Hazard ID 23924	Status: Cleanup Complete	Date: N/A	
B5	*Signature Flight Support-Anchorage | AIA Signature Flight Support UST Dispenser*	*6231 S. Airpark Place | 6231 South Airpark Place*	*ENE / 0.355 mi., 1875 ft.*	*29*
	- ID: Hazard ID 26838	Status: Open	Date: N/A	
6	*TROY AIR INC. | Troy Air Hangar*	*6601 S AIRPARK RD | 6601 S. Airpark Place*	*E / 0.366 mi., 1933 ft.*	*31*
	- ID: Hazard ID 24900	Status: Cleanup Complete	Date: N/A	
B9	F.S. Air Service	6121 South Air Park	ENE / 0.388 mi., 2049 ft.	*53*
	- ID: Hazard ID 23319	Status: Cleanup Complete	Date: N/A	

STATE- AND TRIBAL - EQUIVALENT CERCLIS

SHWS - AK: Contaminated sites program database where current and former landowners may be liable for state cleanup expenditures
8 SITES FOUND WITHIN 1 MILE

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B7	*ERA Helicopters - Aviation Center - Blue Hanger*	*6160 South Airpark Drive;*	*ENE / 0.368 mi., 1944 ft.*	*34*
	- ID: Hazard ID 23686	Status: Open	Date: N/A	
B8	*GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP*	*6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place*	*ENE / 0.387 mi., 2044 ft.*	*35*
	- ID: Hazard ID 912	Status: Cleanup Complete	Date: N/A	
10	AIA - Sand Lake Road Soil Stockpile	Sand Lake & Raspberry Rds	E / 0.464 mi., 2450 ft.	*54*
	- ID: Hazard ID 2024	Status: Cleanup Complete	Date: N/A	
11	MarkAir - Anchorage 2	South Air Park Place	ENE / 0.474 mi., 2503 ft.	*54*
	- ID: Hazard ID 914	Status: Cleanup Complete	Date: N/A	
15	ANG Kulis Fire Rescue Station | ANG Kulis Fire Rescue Station Access Road	Perimeter Road; Anchorage International Airport	ENE / 0.638 mi., 3369 ft.	*57*
	- ID: Hazard ID 3147 - ID: Hazard ID 26064	Status: Cleanup Complete Status: Cleanup Complete	Date: N/A Date: N/A	
18	*AIA Landspreading Area*	*K Taxiway & Runway 6L*	*WNW / 0.882 mi., 4657 ft.*	*59*
	- ID: Hazard ID 2740	Status: Open	Date: N/A	
19	*Chugach Electric Raspberry Substation*	*7020 Caravelle Drive*	*E / 0.986 mi., 5207 ft.*	*60*
	- ID: Hazard ID 26275	Status: Cleanup Complete - Institutional Controls	Date: N/A	

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
12	AIA Fire Training Pit	South of Runway 6R	WNW / 0.537 mi., 2836 ft.	*55*
	- ID: Hazard ID 414	Status: Cleanup Complete	Date: N/A	

OTHER ASCERTAINABLE RECORDS

DOD: Department of Defense sites **1 SITE FOUND WITHIN 1 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
13	TED STEVENS IAP	61.16588846, -149.98159491	E / 0.567 mi., 2994 ft.	*56*

FEDLAND: Federal land locations **1 SITE FOUND WITHIN 1 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
14	N/A	57.6123446, -152.48792506	ENE / 0.615 mi., 3248 ft.	*57*

OTHER ASCERTAINABLE RECORDS *(cont.)*

FUDS: Defense sites that require cleanup **2 SITES FOUND WITHIN 1 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
16	ANCHORAGE AIR NG	61.16522217, -149.97436523	ENE / 0.778 mi., 4108 ft.	*58*

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
17	ANCH INTL APRT AAA GUN	61.16998291, -149.97790527	ENE / 0.876 mi., 4626 ft.	*59*

Following sites were unable to be mapped.

SITE NAME:	ADDRESS, CITY, ZIP:	DATABASE(S):
ADOT&PF North Air Park Lease Area	International Airport..., Anchorage 99502	SHWS - AK
ADOT&PF North Air Park Lease Area	West Northern Lights ..., Anchorage 99502	SHWS - AK
Adventures Unlimilted	Lot C Block 210 Lake..., Anchorage 99502	LUST - AK
AIA - C Concourse Terminal LUST	Anchorage Airport, Anchorage	I C - AK
AIA DOT/PF Tank #9	AIA - 110' North of C..., Anchorage 99517	I C - AK, SHWS - AK
ANCHORAGE INTERNATIONAL AIRPOR | D...	NORTH TERMINAL ..., Anchorage | ... 99502	ARCHIVED RCRA TSDF, ENOI
ANCHORAGE MUNICIPALITY - KINCAID PARK	W RASPBERRY RD, ANCHORAGE 99502	HIST CORRACTS 2
Branham Air	DOT leased Lot Lake H..., Anchorage 99502	LUST - AK
Buckner Building (Whittier)	Blackstone Road, Anchorage 99501	SHWS - AK
Grayling Native Store Tank Farm	Block 22 Lot 3 N. C. S..., Grayling 99502	TRIBAL BROWNFIELDS
MOA - AWWU - Point Woronzof (1992 tank...	Hudson Rd.;, Anchorage 99502	LUST - AK
USDOT FAA POINT WORONZOF RTR FACILITY	ANCHORAGE INTL ARPRT ..., ANCHORAGE...	CERCLIS NFRAP, FEDERAL FACILITY, SEMS_8R_ARCHIVED SITES

DATABASE(S) WITH NO MAPPED SITES:

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF	Archived Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities
RCRA_TSDF	Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities

FEDERAL CERCLIS LIST

CERCLIS NFRAP	Comprehensive Environmental Response Compensation and Liability Act No Further Remedial Action Planned
CERCLIS-HIST	Comprehensive Environmental Response Compensation and Liability Act
FEDERAL FACILITY	Federal Facility sites
SEMS_8R_ACTIVE SITES	Sites on SEMS Active Site Inventory
SEMS_8R_ARCHIVED SITES	Sites on SEMS Archived Site Inventory

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS	Hazardous Waste Corrective Action
HIST CORRACTS 2	Historical Hazardous Waste Corrective Action

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL	Delisted National Priority List
DELISTED PROPOSED NPL	Delisted proposed National Priority List
SEMS_DELETED NPL	Sites Deleted from National Priorities List

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP	EPA Landfill Methane Outreach Project Database

FEDERAL ERNS LIST

ERNS	Emergency Response Notification System

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C	Engineering Controls
FED I C	Institutional Controls
RCRA IC_EC	RCRA sites with Institutional and Engineering Controls

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG	Historical Resource Conservation and Recovery Act_Conditionally Exempt Small Quantity Generators
HIST RCRA_LQG	Historical Resource Conservation and Recovery Act_ Large Quantity Generators
HIST RCRA_NONGEN	Historical Resource Conservation and Recovery Act_Non Generators
HIST RCRA_SQG	Historical Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_LQG	Resource Conservation and Recovery Act_ Large Quantity Generators
RCRA_NONGEN	Resource Conservation and Recovery Act_Non Generators
RCRA_SQG	Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_VSQG	Resource Conservation and Recovery Act_Very Small Quantity Generator

FEDERAL NPL SITE LIST

NPL	National Priority List
NPL EPA R1 GIS	GIS for EPA Region 1 NPL
NPL EPA R3 GIS	GIS for EPA Region 3 NPL
NPL EPA R6 GIS	GIS for EPA Region 6 NPL
NPL EPA R8 GIS	GIS for EPA Region 8 NPL
NPL EPA R9 GIS	GIS for EPA Region 9 NPL
PART NPL	Part National Priority List
PROPOSED NPL	Proposed National Priority List
SEMS_FINAL NPL	Sites included on the Final National Priorities List
SEMS_PROPOSED NPL	Sites Proposed to be Added to the National Priorities List

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST	FEMA Underground Storage Tanks
INDIAN UST R1	Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN UST R10	Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN UST R2	Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN UST R4	Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN UST R5	Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN UST R6	Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN UST R7	Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R8	Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN UST R9	Underground Storage Tanks on Indian Land in EPA Region 9
AST - AK	Aboveground Storage Tanks
HIST UST - AK	Historical Underground Storage Tanks
UST - AK	Underground Storage Tanks

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS	Tribal Brownfields
BROWNFIELDS - AK	Brownfields

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

E C - AK	Engineering Controls

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN LUST R2	Leaking Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land in EPA Region 7

STATE AND TRIBAL LEAKING STORAGE TANK LISTS *(cont.)*

INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land in EPA Region 9

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

SWF/LF - AK	Solid Waste Facilities and Landfills

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

VCP - AK	Voluntary Cleanup Program

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES	EPA ACRES Brownfields
FED BROWNFIELDS	Federal Brownfields

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL	DOJ Clandestine Drug Labs
US HIST CDL	Historical Clandestine Drug Labs

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8	Historical Open Dump Inventory
INDIAN ODI R8	Open Dump Inventory
ODI	Open Dump Inventory
TRIBAL ODI	Indian Open Dump Inventory Sites
SWRCY - AK	Recyclers

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT)	Hazardous Materials Information Reporting Systems
HIST SPILLS - AK	Historical Spills
SPILLS - AK	Spills

LOCAL LAND RECORDS

LIENS 2	CERCLA Lien Information

OTHER ASCERTAINABLE RECORDS

AFS	Air Facility Systems
ALT FUELING	Alternative Fueling Stations
AST PBS	ASTs at Bulk Petroleum Terminals
BRS	Biennial Reporting Systems
CDC HAZDAT	Hazardous Substance Release and Health Effects Information
COAL ASH DOE	Coal Ash: Department of Energy
COAL ASH EPA	Coal Ash: Environmental Protection Agency
COAL GAS	Coal Gas Plants
CONSENT (DECREES)	Superfund Consent Decree
CORRECTIVE ACTIONS_2020	Wastes - Hazardous Waste - Corrective Action
DEBRIS EPA LF	EPA Disaster Debris Landfill Sites
DEBRIS EPA SWRCY	EPA Disaster Debris Recovery Sites
DOT OPS	Department of Transportation Office of Pipeline Safety
ECHO	EPA Enforcement and Compliance History Online
ENOI	Electronic Notice of Intent
EPA FUELS	EPA Fuels Registration, Reporting, and Compliance List
EPA OSC	EPA On-Site Coordinator
EPA WATCH	EPA Watch List
FA HWF	Financial Assurance for Hazardous Waste Facilities
FRS	Facility Index Systems
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	FIFRA/TSCA Tracking System: Inspections
HIST AFS	Historical Air Facility Systems
HIST AFS 2	Historical Air Facility Systems
HIST DOD	Department of Defense historical sites
HIST LEAD_SMELTER	Historical Lead Smelter Sites
HIST MLTS	Historical Material Licensing Tracking Systems

OTHER ASCERTAINABLE RECORDS *(cont.)*

HIST PCB TRANS	Historical Polychlorinated Biphenyl (PCB) Facilities
HIST PCS ENF	Historical Enforced Permit Compliance Facilities
HIST PCS FACILITY	Historical Permit Compliance Facilities
HIST SSTS	Historical Section 7 Tracking Systems
HWC DOCKET	Hazardous Waste Compliance Docket
ICIS	Integrated Compliance Information System
INACTIVE PCS	Inactive Permit Compliance Facilities
INDIAN RESERVATION	Indian Reservations
LUCIS	Land Use Control Information Systems
LUCIS 2	Land Use Control Information Systems 2
MINES	Mines
MINES USGS	Mines list from USGS
MLTS	Material Licensing Tracking Systems
NPL AOC	Areas related to NPL remediation sites
NPL LIENS	National Priority List Liens
OSHA	Occupational Safety & Health Administration
PADS	PCB Activity Database Systems
PCB TRANSFORMER	Polychlorinated Biphenyl (PCB) Waste
PCS ENF	Enforced Permit Compliance Facilities
PCS FACILITY	Permit Compliance Facilities
RAATS	RCRA Administrative Action Tracking Systems
RADINFO	Radiation Information Systems
RMP	Risk Management Plans
ROD	Record of Decision
SCRD DRYCLEANERS	SCRD Drycleaners
SEMS_SMELTER	Sites on SEMS Potential Smelter Activity
SSTS	Section 7 Tracking Systems
STORMWATER	Storm Water Permits
TOSCA-PLANT	Toxic Substance Control Act: Plants
TRIS	Toxic Release Inventory Systems
UMTRA	Uranium Mill Tailing Sites
VAPOR	EPA Vapor Intrusion
AIRS - AK	Air Permits
COAL ASH - AK	Coal Ash
DRYCLEANERS - AK	Drycleaners
HIST NPDES - AK	Historical Wastewater Discharge Permit
NPDES - AK	State Wastewater and NPDES Permits

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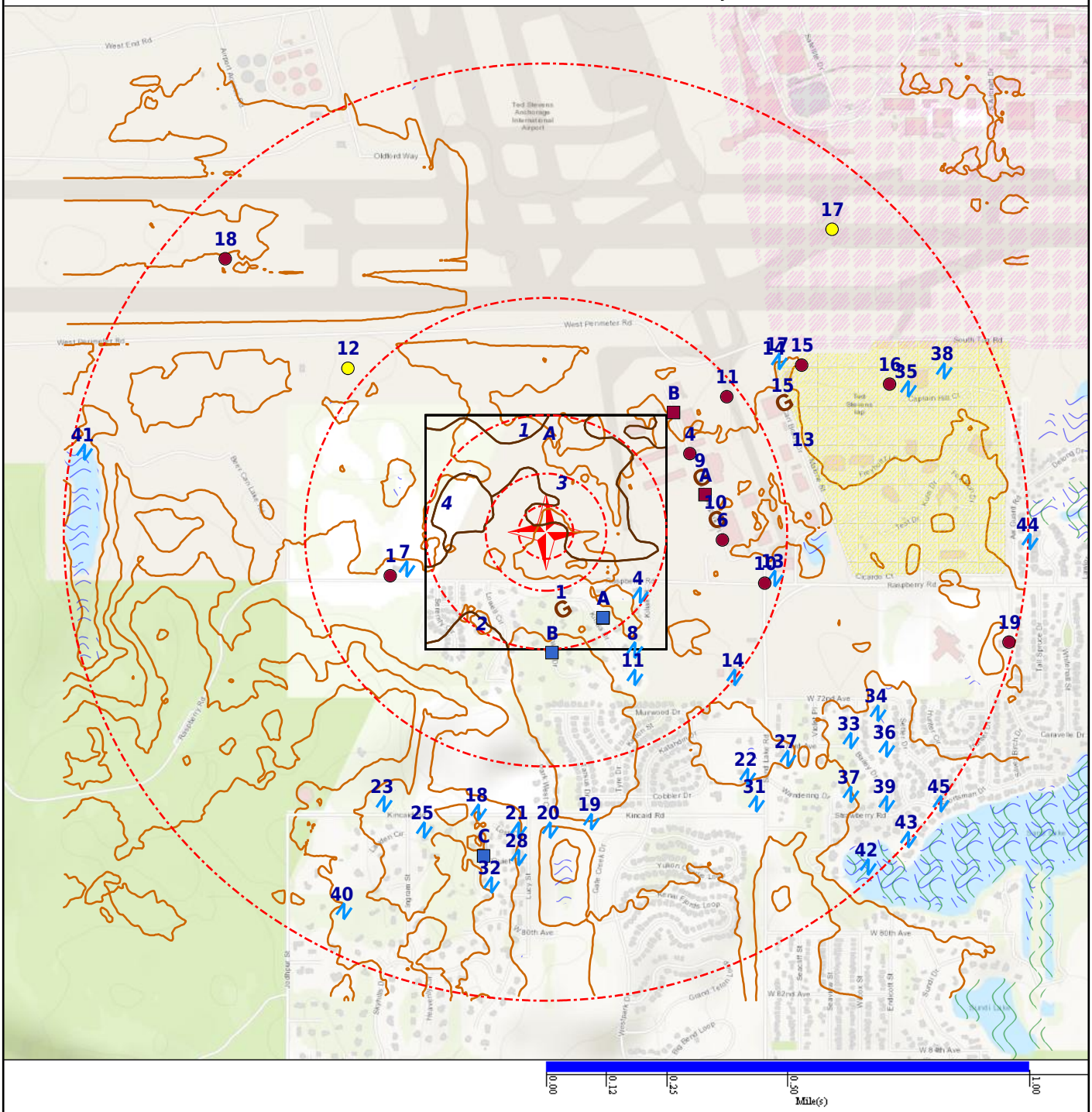

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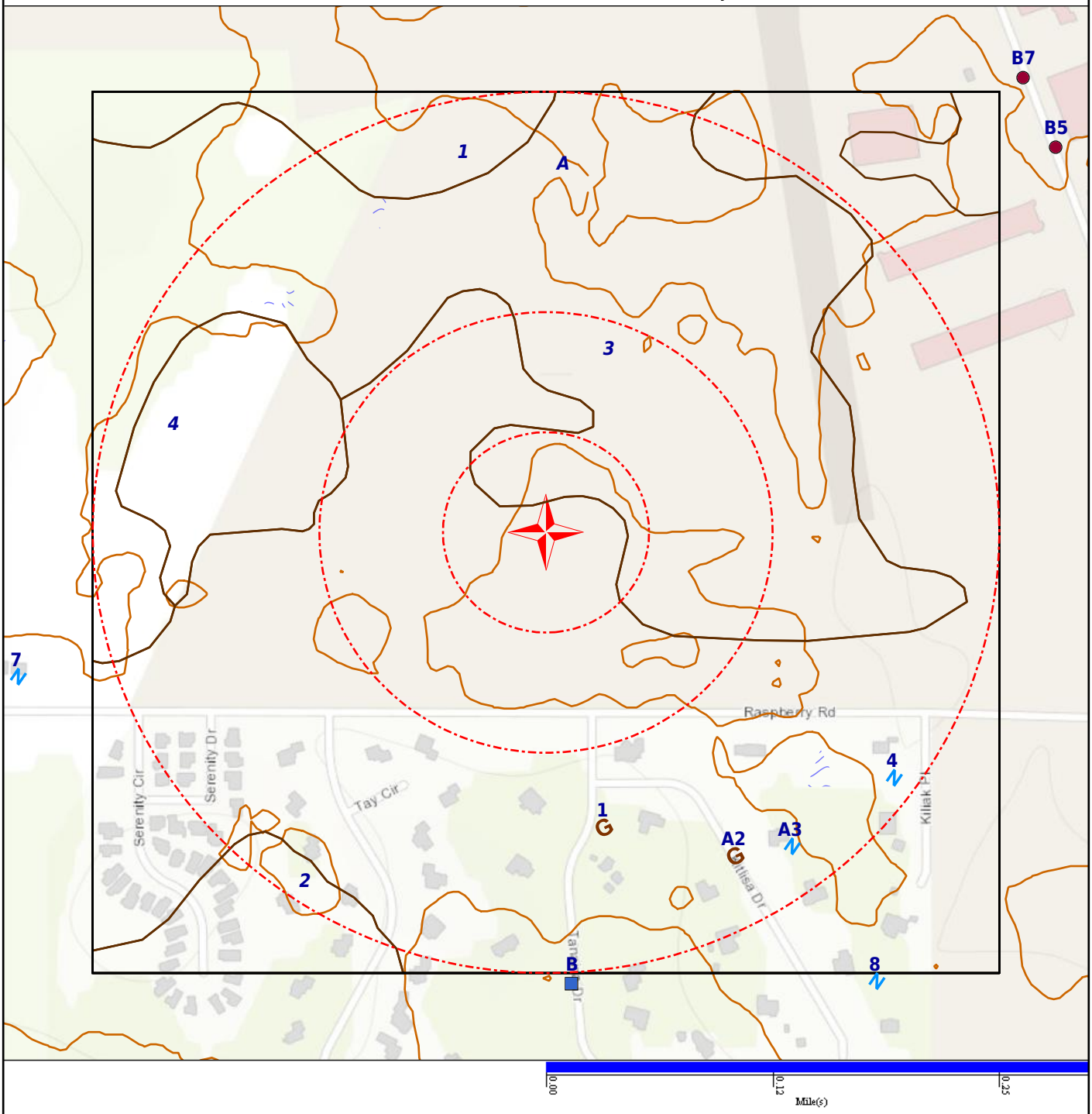


- Subject Property
- Department of Defense
- FEMA FloodZone 100 (No Data)
- National Priority List (No Data)
- Equal/Higher Elevation
- DFIRM Floodzone 100
- FEMA FloodZone 500 (No Data)
- NWI
- Lower Elevation
- DFIRM Floodzone 500 (No Data)
- Historical DOD (No Data)
- CDC HAZDAT (No Data)
- Federal Lands
- Indian Reservation (No Data)

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST								
ARCHIVED RCRA TSDF		0.500	0	0	0	--	--	0
RCRA_TSDF		0.500	0	0	0	--	--	0
FEDERAL CERCLIS LIST								
CERCLIS NFRAP		0.500	0	0	0	--	--	0
CERCLIS-HIST		0.500	0	0	0	--	--	0
FEDERAL FACILITY		1.000	0	0	0	0	--	0
SEMS_8R_ACTIVE SITES		0.500	0	0	0	--	--	0
SEMS_8R_ARCHIVED SITES		0.500	0	0	0	--	--	0
FEDERAL RCRA CORRACTS FACILITIES LIST								
CORRACTS		1.000	0	0	0	0	--	0
HIST CORRACTS 2		1.000	0	0	0	0	--	0
FEDERAL DELISTED NPL SITE LIST								
DELISTED NPL		1.000	0	0	0	0	--	0
DELISTED PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_DELETED NPL		1.000	0	0	0	0	--	0
FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
EPA LF MOP		0.500	0	0	0	--	--	0
FEDERAL ERNS LIST								
ERNS		SP	0	--	--	--	--	0
FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES								
FED E C		0.500	0	0	0	--	--	0
FED I C		0.500	0	0	0	--	--	0
RCRA IC_EC		0.250	0	0	--	--	--	0
FEDERAL RCRA GENERATORS LIST								
HIST RCRA_CESQG		0.250	0	0	--	--	--	0
HIST RCRA_LQG		0.250	0	0	--	--	--	0
HIST RCRA_NONGEN		0.250	0	0	--	--	--	0
HIST RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_LQG		0.250	0	0	--	--	--	0
RCRA_NONGEN		0.250	0	0	--	--	--	0
RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_VSQG		0.250	0	0	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL NPL SITE LIST								
NPL		1.000	0	0	0	0	--	0
NPL EPA R1 GIS		1.000	0	0	0	0	--	0
NPL EPA R3 GIS		1.000	0	0	0	0	--	0
NPL EPA R6 GIS		1.000	0	0	0	0	--	0
NPL EPA R8 GIS		1.000	0	0	0	0	--	0
NPL EPA R9 GIS		1.000	0	0	0	0	--	0
PART NPL		1.000	0	0	0	0	--	0
PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_FINAL NPL		1.000	0	0	0	0	--	0
SEMS_PROPOSED NPL		1.000	0	0	0	0	--	0
STATE AND TRIBAL REGISTERED STORAGE TANK LISTS								
FEMA UST		0.250	0	0	--	--	--	0
INDIAN UST R1		0.250	0	0	--	--	--	0
INDIAN UST R10		0.250	0	0	--	--	--	0
INDIAN UST R2		0.250	0	0	--	--	--	0
INDIAN UST R4		0.250	0	0	--	--	--	0
INDIAN UST R5		0.250	0	0	--	--	--	0
INDIAN UST R6		0.250	0	0	--	--	--	0
INDIAN UST R7		0.250	0	0	--	--	--	0
INDIAN UST R8		0.250	0	0	--	--	--	0
INDIAN UST R9		0.250	0	0	--	--	--	0
AST - AK		0.250	0	0	--	--	--	0
HIST UST - AK		0.250	0	0	--	--	--	0
UST - AK		0.250	0	0	--	--	--	0
STATE AND TRIBAL BROWNFIELD SITES								
TRIBAL BROWNFIELDS		0.500	0	0	0	--	--	0
BROWNFIELDS - AK		0.500	0	0	0	--	--	0
STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES								
E C - AK		0.500	0	0	0	--	--	0
I C - AK		0.500	0	0	1	--	--	1
STATE AND TRIBAL LEAKING STORAGE TANK LISTS								
INDIAN LUST R1		0.500	0	0	0	--	--	0
INDIAN LUST R10		0.500	0	0	0	--	--	0
INDIAN LUST R2		0.500	0	0	0	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
STATE AND TRIBAL LEAKING STORAGE TANK LISTS *(cont.)*								
INDIAN LUST R4		0.500	0	0	0	--	--	0
INDIAN LUST R5		0.500	0	0	0	--	--	0
INDIAN LUST R6		0.500	0	0	0	--	--	0
INDIAN LUST R7		0.500	0	0	0	--	--	0
INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R9		0.500	0	0	0	--	--	0
LUST - AK		0.500	0	0	7	--	--	7
STATE- AND TRIBAL - EQUIVALENT CERCLIS								
SHWS - AK		1.000	0	0	4	4	--	8
STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
SWF/LF - AK		0.500	0	0	0	--	--	0
STATE AND TRIBAL VOLUNTARY CLEANUP SITES								
VCP - AK		0.500	0	0	0	--	--	0
LOCAL BROWNFIELD LISTS								
BROWNFIELDS-ACRES		0.500	0	0	0	--	--	0
FED BROWNFIELDS		0.500	0	0	0	--	--	0
LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES								
FED CDL		SP	0	--	--	--	--	0
US HIST CDL		SP	0	--	--	--	--	0
LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES								
HIST INDIAN ODI R8		0.500	0	0	0	--	--	0
INDIAN ODI R8		0.500	0	0	0	--	--	0
ODI		0.500	0	0	0	--	--	0
TRIBAL ODI		0.500	0	0	0	--	--	0
SWRCY - AK		0.500	0	0	0	--	--	0
RECORDS OF EMERGENCY RELEASE REPORTS								
HMIRS (DOT)		SP	0	--	--	--	--	0
HIST SPILLS - AK		0.125	0	--	--	--	--	0
SPILLS - AK		0.125	0	--	--	--	--	0
LOCAL LAND RECORDS								
LIENS 2		SP	0	--	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS								
AFS		SP	0	--	--	--	--	0
ALT FUELING		0.250	0	0	--	--	--	0
AST PBS		0.250	0	0	--	--	--	0
BRS		SP	0	--	--	--	--	0
CDC HAZDAT		1.000	0	0	0	0	--	0
COAL ASH DOE		0.500	0	0	0	--	--	0
COAL ASH EPA		0.500	0	0	0	--	--	0
COAL GAS		1.000	0	0	0	0	--	0
CONSENT (DECREES)		1.000	0	0	0	0	--	0
CORRECTIVE ACTIONS_2020		0.500	0	0	0	--	--	0
DEBRIS EPA LF		0.500	0	0	0	--	--	0
DEBRIS EPA SWRCY		0.500	0	0	0	--	--	0
DOD		1.000	0	0	0	1	--	1
DOT OPS		SP	0	--	--	--	--	0
ECHO		SP	0	--	--	--	--	0
ENOI		SP	0	--	--	--	--	0
EPA FUELS		SP	0	--	--	--	--	0
EPA OSC		0.125	0	--	--	--	--	0
EPA WATCH		SP	0	--	--	--	--	0
FA HWF		SP	0	--	--	--	--	0
FEDLAND		1.000	0	0	0	1	--	1
FRS		SP	0	--	--	--	--	0
FTTS		SP	0	--	--	--	--	0
FTTS INSP		SP	0	--	--	--	--	0
FUDS		1.000	0	0	0	2	--	2
HIST AFS		SP	0	--	--	--	--	0
HIST AFS 2		SP	0	--	--	--	--	0
HIST DOD		1.000	0	0	0	0	--	0
HIST LEAD_SMELTER		SP	0	--	--	--	--	0
HIST MLTS		SP	0	--	--	--	--	0
HIST PCB TRANS		SP	0	--	--	--	--	0
HIST PCS ENF		SP	0	--	--	--	--	0
HIST PCS FACILITY		SP	0	--	--	--	--	0
HIST SSTS		SP	0	--	--	--	--	0
HWC DOCKET		SP	0	--	--	--	--	0
ICIS		SP	0	--	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
INACTIVE PCS		SP	0	--	--	--	--	0
INDIAN RESERVATION		1.000	0	0	0	0	--	0
LUCIS		0.500	0	0	0	--	--	0
LUCIS 2		0.500	0	0	0	--	--	0
MINES		0.250	0	0	--	--	--	0
MINES USGS		0.250	0	0	--	--	--	0
MLTS		SP	0	--	--	--	--	0
NPL AOC		1.000	0	0	0	0	--	0
NPL LIENS		SP	0	--	--	--	--	0
OSHA		SP	0	--	--	--	--	0
PADS		SP	0	--	--	--	--	0
PCB TRANSFORMER		SP	0	--	--	--	--	0
PCS ENF		SP	0	--	--	--	--	0
PCS FACILITY		SP	0	--	--	--	--	0
RAATS		SP	0	--	--	--	--	0
RADINFO		SP	0	--	--	--	--	0
RMP		0.500	0	0	0	--	--	0
ROD		1.000	0	0	0	0	--	0
SCRD DRYCLEANERS		0.250	0	0	--	--	--	0
SEMS_SMELTER		SP	0	--	--	--	--	0
SSTS		SP	0	--	--	--	--	0
STORMWATER		SP	0	--	--	--	--	0
TOSCA-PLANT		SP	0	--	--	--	--	0
TRIS		SP	0	--	--	--	--	0
UMTRA		0.500	0	0	0	--	--	0
VAPOR		0.500	0	0	0	--	--	0
AIRS - AK		SP	0	--	--	--	--	0
COAL ASH - AK		0.500	0	0	0	--	--	0
DRYCLEANERS - AK		0.250	0	0	--	--	--	0
HIST NPDES - AK		SP	0	--	--	--	--	0
NPDES - AK		SP	0	--	--	--	--	0

Map Id: 1
Direction: W
Distance: 0.334 mi., 1766 ft.
Elevation: 127 ft.
Relative: Higher

Site Name : FEDERAL COMMUNICATION COMMISSION | FCC, 1990 tank pull | Federal Communications Commission
6721 Raspberry Road
Anchorage | ANCHORAGE, AK 99502

Database(s) : [LUST - AK, UST - AK]

Envirosite ID: 1907
EPA ID: N/R

LUST - AK

Facility Name :	FCC, 1990 tank pull
Facility Address :	6721 Raspberry Road, Anchorage, AK 99502
Hazard ID :	23335
File ID :	2100.26.443
LUST Event ID :	2436
Archived Record Key :	1990210029501
Status :	Cleanup Complete
CS or LUST :	LUST
Staff :	No Longer Assigned
Facility Owner :	Federal Communication Commission
Site Type :	Unknown
Borough :	Anchorage
Horizontal Datum :	NAD83
Latitude :	61.159698
Longitude :	-150.006077
Last Date in Agency List :	2021-04-02

Facility Name :	Federal Communications Commission
Facility Address :	6721 Raspberry Road, Anchorage, AK 99502
Hazard ID :	23323
File ID :	2100.26.442
LUST Event ID :	2356
Archived Record Key :	1999210015701
Status :	Cleanup Complete
CS or LUST :	LUST
Staff :	No Longer Assigned
Facility Owner :	Federal Communication Commission
Site Type :	Unknown
Borough :	Anchorage
Horizontal Datum :	N/R
Latitude :	61.159879
Longitude :	-150.003233
Last Date in Agency List :	2021-04-02

UST - AK

Facility Name :	Federal Communication Commission
Facility Address :	6721 Raspberry RD, Anchorage, AK 99502

Site Details

Facility ID :	1883
Facility Type :	Unknown
Owner ID :	438
Owner Name :	Federal Communication Commission
Owner Address :	PO Box 221849, Anchorage, AK 99522
Last Date in Agency List :	11/23/2020

Map Id: 1
Direction: W
Distance: 0.334 mi., 1766 ft.
Elevation: 127 ft.
Relative: Higher

Site Name : FEDERAL COMMUNICATION COMMISSION | FCC, 1990 tank pull | Federal Communications Commission
6721 Raspberry Road
Anchorage | ANCHORAGE, AK 99502

Database(s) : [LUST - AK, UST - AK] ***(cont.)***

Envirosite ID: 1907
EPA ID: N/R

UST - AK ***(cont.)***

Tank Summaries

DEC Tank ID :	1
Owner Tank ID :	1
Regulated Tank? :	Yes
Compliance Tag Number :	N/R
Status :	Permanently Out of Use Closed on 6/7/1999
Installed :	11/01/1990
Closure Status :	Tank removed from ground
Age :	8.6
Product :	Diesel
Capacity :	500 gallons
Tank Material Construction :	Cathodically Protected Steel
Secondary Containment Option (Tank) :	Double-Walled
Tank Release Detection :	Insterstit. Dbl-Wall Monitor Manual Tank Gauging
Pipe Material Construction :	Copper
Piping Type :	Safe Suction
Secondary Containment Option (Piping):	None
Piping Release Detection :	Not Listed
Overfill Prevention Method :	Yes
Spill Prevention Method :	Yes
Cathodic Protection Method :	No
LD Other Methods :	N/R
Next Inspection Due :	No Date Available

DEC Tank ID :	2
Owner Tank ID :	2
Regulated Tank? :	Yes
Compliance Tag Number :	N/R
Status :	Permanently Out of Use Closed on 10/22/1990
Installed :	04/01/1983
Closure Status :	Tank removed from ground
Age :	7.6
Product :	Diesel
Capacity :	500 gallons
Tank Material Construction :	Asphalt Coated or Bare Steel
Secondary Containment Option (Tank) :	None
Tank Release Detection :	Not Listed
Pipe Material Construction :	Copper
Piping Type :	Safe Suction
Secondary Containment Option (Piping):	None
Piping Release Detection :	Not Listed
Overfill Prevention Method :	No
Spill Prevention Method :	No
Cathodic Protection Method :	No
LD Other Methods :	N/R
Next Inspection Due :	No Date Available

Leak UST Information

Site Name :	FCC, 1990 tank pull
Hazard ID :	23335
Event ID :	2436
File Number :	2100.26.443

Map Id: 1
Direction: W
Distance: 0.334 mi., 1766 ft.
Elevation: 127 ft.
Relative: Higher

Site Name : FEDERAL COMMUNICATION COMMISSION | FCC, 1990 tank pull | Federal Communications Commission
6721 Raspberry Road
Anchorage | ANCHORAGE, AK 99502

Database(s) : [LUST - AK, UST - AK] ***(cont.)***

Envirosite ID: 1907
EPA ID: N/R

UST - AK ***(cont.)***

Status :	Cleanup Complete
Spill Date :	12/14/1999
Latitude :	61.159698
Longitude :	-150.006077
Site Name :	Federal Communications Commission
Hazard ID :	23323
Event ID :	2356
File Number :	2100.26.442
Status :	Cleanup Complete
Spill Date :	10/07/1999
Latitude :	61.159879
Longitude :	-150.003233

Map Id: A2
Direction: E
Distance: 0.335 mi., 1770 ft.
Elevation: 128 ft.
Relative: Higher

Site Name : ALASKA HELICOPTERS INC | KNIK CONSTRUCTION
6400 S AIRPARK DR | 6400 SOUTH AIRPARK DRIVE | 6400 South Airpark Drive;
ANCHORAGE | Anchorage, AK

Database(s) : [LUST - AK, MLTS, RCRA_NONGEN]

Envirosite ID: 6631
EPA ID: AKR000000034

LUST - AK

Facility Name :	Alaska Helicopters, Inc.
Facility Address :	6400 South Airpark Drive;, Anchorage, AK 99502
Hazard ID :	23611
File ID :	2100.26.372
LUST Event ID :	315
Archived Record Key :	1992210023101
Status :	Cleanup Complete
CS or LUST :	LUST
Staff :	No Longer Assigned
Facility Owner :	ERA FBO, LLC
Site Type :	Unknown
Borough :	Anchorage
Horizontal Datum :	NAD83
Latitude :	61.162207
Longitude :	-149.980488
Last Date in Agency List :	2021-04-02

Map Id: A2
Direction: E
Distance: 0.335 mi., 1770 ft.
Elevation: 128 ft.
Relative: Higher

Site Name : ALASKA HELICOPTERS INC | KNIK CONSTRUCTION
6400 S AIRPARK DR | 6400 SOUTH AIRPARK DRIVE | 6400 South Airpark Drive;
ANCHORAGE | Anchorage, AK

Database(s) : [LUST - AK, MLTS, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 6631
EPA ID: AKR000000034

MLTS

Facility Name :	Knik Construction
Facility Address :	6400 South Airpark Drive, Anchorage, AK 99502

Facility Name :	KNIK CONSTRUCTION
Facility Address :	N/R

Site Details

Docket Number :	N/R
License Number :	N/R
Original License Date :	N/R
License Date :	N/R
Expiration Date :	N/R
Agency Code :	N/R
Status :	N/R
Contact Name :	N/R
Contact Address :	6400 SOUTH AIRPARK DRIVE, ANCHORAGE, AK 99502
Contact Phone :	907-545-7393
Last Date in Agency List :	11/28/2016

Docket Number :	3038694
License Number :	50-35114-01
Original License Date :	12/18/2013
License Date :	03/12/2019
Expiration Date :	12/31/2023
Agency Code :	NRC
Status :	Active
Contact Name :	Shea Murphy
Contact Address :	N/R
Contact Phone :	907-245-1865
Last Date in Agency List :	10/03/2019

RCRA_NONGEN

Facility Name :	ALASKA HELICOPTERS INC
Facility Address :	6400 S AIRPARK DR, ANCHORAGE, AK 99502-1804
County :	ANCHORAGE

Date Form Received by Agency :	1995-03-29
EPA ID :	AKR000000034
Mailing Address :	PO BOX 190283, ANCHORAGE, AK 99519-0283
Contact :	STEVEN SMITH
Contact Address :	PO BOX 190283, ANCHORAGE, AK 99519-0283
Contact Country :	US
Contact Telephone :	907-243-3404
Contact Email :	N/R
EPA Region :	10
Land Type :	State

Map Id: A2
Direction: E
Distance: 0.335 mi., 1770 ft.
Elevation: 128 ft.
Relative: Higher

Site Name : ALASKA HELICOPTERS INC | KNIK CONSTRUCTION
6400 S AIRPARK DR | 6400 SOUTH AIRPARK DRIVE | 6400 South Airpark Drive;
ANCHORAGE | Anchorage, AK

Database(s) : [LUST - AK, MLTS, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 6631
EPA ID: AKR000000034

RCRA_NONGEN ***(cont.)***

Source Type :	Notification
Classification :	Not a generator, verified
Description :	Not a generator, verified
Last Date in Agency List :	2021-04-26

Owner/Operator Summary

Owner/Operator Name :	BIJOS ENTERPRISES
Owner/Operator Address :	PO BOX 220554, ANCHORAGE, AK 99522
Owner/Operator Country :	N/R
Owner/Operator Telephone :	907-243-1097
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Owner
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	Y
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Hazardous Waste Summary

Waste Code / Name :	NONE - DESCRIPTION

Notices of Violations Summary

Regulation Violated :	N

Map Id: A3
Direction: E
Distance: 0.342 mi., 1806 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ALASKA HOVERCRAFT VENTURES | AIA Lynden Incorporated Facility | United Parcel Service
6441 S AIR PARK DR | 6441 South Airpark Drive
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN]

Envirosite ID: 1976
EPA ID: N/R

ECHO

Facility Name :	ALASKA HOVERCRAFT VENTURES
Facility Address :	6441 S AIR PARK DR, ANCHORAGE, AK 99502
County :	ANCHORAGE
Last Inspection Date :	N/R
Registry ID :	110003037758
FIPS Code :	02020
EPA Region :	10
Inspection Count :	0
Last Inspection Days :	N/R
Informal Count :	0
Last Informal Action Date :	N/R
Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	0
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation
Three-Year Compliance Status :	N/R
Collection Method :	ADDRESS MATCHING-HOUSE NUMBER
Reference Point :	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters :	50
Derived Tribes :	Knik Tribe - 22.2 mile(s)
Derived HUC :	19020401
Derived WBD :	N/R
Derived STCTY FIPS :	02020
Derived Zip :	99502
Derived CD113 :	01
Derived CB2010 :	020200023011058
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R

Map Id: A3
Direction: E
Distance: 0.342 mi., 1806 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ALASKA HOVERCRAFT VENTURES | AIA Lynden Incorporated Facility | United Parcel Service
6441 S AIR PARK DR | 6441 South Airpark Drive
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 1976
EPA ID: N/R

ECHO ***(cont.)***

DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	N/R
Facility NAICS :	N/R
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R
Facility Last Informal Act State Date:	N/R
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N
SDWIS Flag :	N
RCRA Flag :	Y
TRI Flag :	N
GHG Flag :	N
Major Flag :	N/R
Active Flag :	Y
NAA Flag :	N/R
Latitude :	61.161329
Longitude :	-149.985465
Last Date in Agency List :	2016-01-19

FRS

Facility Name :	ALASKA HOVERCRAFT VENTURES
Facility Address :	6441 S AIR PARK DR, ANCHORAGE, AK 99502
County :	ANCHORAGE

Site Details

Registry ID :	110003037758
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	03/07/2016

Source Description

Map Id: A3
Direction: E
Distance: 0.342 mi., 1806 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ALASKA HOVERCRAFT VENTURES | AIA Lynden Incorporated Facility | United Parcel Service
6441 S AIR PARK DR | 6441 South Airpark Drive
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 1976
EPA ID: N/R

FRS ***(cont.)***

Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

FRS Environmental Interest

Source and System ID :	RCRAINFO - AKR000002873

LUST - AK

Facility Name :	AIA Lynden Incorporated Facility
Facility Address :	6441 S Airpark Drive, Anchorage, AK 99501
Hazard ID :	24739
File ID :	2100.26.385
LUST Event ID :	1643
Archived Record Key :	1996210009307
Status :	Cleanup Complete
CS or LUST :	LUST
Staff :	No Longer Assigned
Facility Owner :	Lynden Transport
Site Type :	Unknown
Borough :	Anchorage
Horizontal Datum :	N/R
Latitude :	61.162589
Longitude :	-149.983624
Last Date in Agency List :	2021-04-02

Facility Name :	United Parcel Service
Facility Address :	6441 South Airpark Drive, Anchorage, AK 99502
Hazard ID :	23691
File ID :	2100.26.350
LUST Event ID :	416
Archived Record Key :	1994210032102
Status :	Cleanup Complete
CS or LUST :	LUST
Staff :	No Longer Assigned
Facility Owner :	Lynden Transport
Site Type :	Commercial/Retail/Office
Borough :	Anchorage
Horizontal Datum :	WGS84

Map Id: A3
Direction: E
Distance: 0.342 mi., 1806 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ALASKA HOVERCRAFT VENTURES | AIA Lynden Incorporated Facility | United Parcel Service
6441 S AIR PARK DR | 6441 South Airpark Drive
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 1976
EPA ID: N/R

LUST - AK ***(cont.)***

Latitude :	61.163100
Longitude :	-149.986142
Last Date in Agency List :	2021-04-02

RCRA_NONGEN

Facility Name :	ALASKA HOVERCRAFT VENTURES
Facility Address :	6441 S AIR PARK DR, ANCHORAGE, AK 99502-1809
County :	ANCHORAGE
Date Form Received by Agency :	1997-08-21
EPA ID :	AKR000002873
Mailing Address :	6441 S AIR PARK DR, ANCHORAGE, AK 99502-1809
Contact :	DAVE HAUGEN
Contact Address :	6441 S AIR PARK DR, ANCHORAGE, AK 99502-1809
Contact Country :	US
Contact Telephone :	907-245-1544
Contact Email :	N/R
EPA Region :	10
Land Type :	Private
Source Type :	Notification
Classification :	Not a generator, verified
Description :	Not a generator, verified
Last Date in Agency List :	2021-04-26

Owner/Operator Summary

Owner/Operator Name :	ALASKA HOVERCRAFT VENTURES
Owner/Operator Address :	6441 S AIR PARK DR, ANCHORAGE, AK 99502-1809
Owner/Operator Country :	N/R
Owner/Operator Telephone :	907-245-1544
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Owner
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	Y
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N

Map Id: A3
Direction: E
Distance: 0.342 mi., 1806 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ALASKA HOVERCRAFT VENTURES | AIA Lynden Incorporated Facility | United Parcel Service
6441 S AIR PARK DR | 6441 South Airpark Drive
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 1976
EPA ID: N/R

RCRA_NONGEN ***(cont.)***

Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	Y

Hazardous Waste Summary
Waste Code / Name : NONE - DESCRIPTION

Notices of Violations Summary
Regulation Violated : N

Map Id: 4
Direction: ENE
Distance: 0.343 mi., 1810 ft.
Elevation: 123 ft.
Relative: Higher

Site Name : MARKAIR EXPRESS INC | MarkAir Facility (Former)
6311 S AIRPARK RD | 6311 South Airpark Place;
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN]

Envirosite ID: 13692
EPA ID: N/R

ECHO

Facility Name :	MARKAIR EXPRESS INC
Facility Address :	6311 S AIRPARK RD, ANCHORAGE, AK 99502
County :	ANCHORAGE
Last Inspection Date :	N/R
Registry ID :	110003038560
FIPS Code :	02020
EPA Region :	10
Inspection Count :	0
Last Inspection Days :	N/R
Informal Count :	0
Last Informal Action Date :	N/R
Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	N/R

Map Id: 4
Direction: ENE
Distance: 0.343 mi., 1810 ft.
Elevation: 123 ft.
Relative: Higher

Site Name : MARKAIR EXPRESS INC | MarkAir Facility (Former)
6311 S AIRPARK RD | 6311 South Airpark Place;
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 13692
EPA ID: N/R

ECHO ***(cont.)***

Last Penalty Amount :	N/R
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation
Three-Year Compliance Status :	_____
Collection Method :	ADDRESS MATCHING-HOUSE NUMBER
Reference Point :	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters :	50
Derived Tribes :	Knik Tribe - 22.1 mile(s)
Derived HUC :	19020401
Derived WBD :	N/R
Derived STCTY FIPS :	02020
Derived Zip :	99502
Derived CD113 :	01
Derived CB2010 :	020200023011058
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	N/R
Facility NAICS :	N/R
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R
Facility Last Informal Act State Date:	N/R
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N

Map Id: 4
Direction: ENE
Distance: 0.343 mi., 1810 ft.
Elevation: 123 ft.
Relative: Higher

Site Name : MARKAIR EXPRESS INC | MarkAir Facility (Former)
6311 S AIRPARK RD | 6311 South Airpark Place;
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 13692
EPA ID: N/R

ECHO ***(cont.)***

SDWIS Flag :	N
RCRA Flag :	Y
TRI Flag :	N
GHG Flag :	N
Major Flag :	N/R
Active Flag :	N/R
NAA Flag :	N/R
Latitude :	61.163024
Longitude :	-149.986744
Last Date in Agency List :	2018-03-12

FRS

Facility Name :	MARKAIR EXPRESS INC
Facility Address :	6311 S AIRPARK RD, ANCHORAGE, AK 99502
County :	ANCHORAGE

Site Details

Registry ID :	110003038560
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	02/15/2018

Source Description

Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

FRS Environmental Interest

Source and System ID :	RCRAINFO - AKR000000950

LUST - AK

Facility Name :	MarkAir Facility (Former)
Facility Address :	6311 South Airpark Place;, Anchorage, AK 99503
Hazard ID :	23924
File ID :	2100.38.028.08
LUST Event ID :	250
Archived Record Key :	1991210022602

Map Id: 4
Direction: ENE
Distance: 0.343 mi., 1810 ft.
Elevation: 123 ft.
Relative: Higher

Site Name : MARKAIR EXPRESS INC | MarkAir Facility (Former)
6311 S AIRPARK RD | 6311 South Airpark Place;
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 13692
EPA ID: N/R

LUST - AK ***(cont.)***

Status :	Cleanup Complete
CS or LUST :	LUST
Staff :	IC Unit
Facility Owner :	State of Alaska -DOTPF Anchorage International Air
Site Type :	Airport/Airfield
Borough :	Anchorage
Horizontal Datum :	NAD83
Latitude :	61.163488
Longitude :	-149.986319
Last Date in Agency List :	2021-04-02

RCRA_NONGEN

Facility Name :	MARKAIR EXPRESS INC
Facility Address :	6311 S AIRPARK RD, ANCHORAGE, AK 99502
County :	ANCHORAGE
Date Form Received by Agency :	1996-04-01
EPA ID :	AKR000000950
Mailing Address :	PO BOX 190248, ANCHORAGE, AK 99519
Contact :	WILLIAM BARSTOW
Contact Address :	911 W 8TH AVE STE 207, ANCHORAGE, AK 99501
Contact Country :	US
Contact Telephone :	907-274-9253
Contact Email :	N/R
EPA Region :	10
Land Type :	Private
Source Type :	Notification
Classification :	Not a generator, verified
Description :	Not a generator, verified
Last Date in Agency List :	2021-04-26

Owner/Operator Summary

Owner/Operator Name :	MARKAIR EXPRESS INC
Owner/Operator Address :	PO BOX 190248, ANCHORAGE, AK 99519
Owner/Operator Country :	N/R
Owner/Operator Telephone :	907-274-9253
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Owner
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N

Map Id: 4
Direction: ENE
Distance: 0.343 mi., 1810 ft.
Elevation: 123 ft.
Relative: Higher

Site Name : MARKAIR EXPRESS INC | MarkAir Facility (Former)
6311 S AIRPARK RD | 6311 South Airpark Place;
ANCHORAGE | Anchorage, AK

Database(s) : [ECHO, FRS, LUST - AK, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 13692
EPA ID: N/R

RCRA_NONGEN ***(cont.)***

Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Hazardous Waste Summary

Waste Code / Name :	NONE - DESCRIPTION

Notices of Violations Summary

Regulation Violated :	N

Map Id: B5
Direction: ENE
Distance: 0.355 mi., 1876 ft.
Elevation: 119 ft.
Relative: Higher

Site Name : Signature Flight Support-Anchorage | AIA Signature Flight Support UST Dispenser
6231 S. Airpark Place | 6231 South Airpark Place
Anchorage, AK

Database(s) : [ENOI, LUST - AK]

Envirosite ID: 1660
EPA ID: N/R

ENOI

Facility Name :	Signature Flight Support-Anchorage
Facility Address :	6231 S. Airpark Place, Anchorage, AK 99507
County :	Anchorage

Site Details

IRS EIN :	N/R
Date of Coverage :	10/25/2009
Date Submitted :	09/25/2009
Certified Date :	09/25/2009
Current Status :	Active
Permit Number :	AKR05CI79
MS4 Operator :	Municipality of Anchorage
Operator Name :	N/R

Map Id: B5
Direction: ENE
Distance: 0.355 mi., 1876 ft.
Elevation: 119 ft.
Relative: Higher

Site Name : Signature Flight Support-Anchorage | AIA Signature Flight Support UST Dispenser
6231 S. Airpark Place | 6231 South Airpark Place
Anchorage, AK

Database(s) : [ENOI, LUST - AK] ***(cont.)***

Envirosite ID: 1660
EPA ID: N/R

ENOI ***(cont.)***

Operator Address 1 :	N/R
Operator Address 2 :	N/R
Reservation Name :	N/R
Located Indian Land :	N/R
Discharge into MS4 1 :	Y
Discharge into MS4 2 :	N/R
Pollutants in Discharge :	N/R
Pollutant Present in Discharge :	N/R
TMDL Complete :	N/R
Length of Time :	N/R
Species in Action Area :	N/R
Forty CFR Subpart :	N/R
Distance BTW Point :	N/R
Is Pollutant Present for ESA :	N/R
Receiving Waters :	Cook Inlet
Impaired Waters :	N
Tier 2 :	N/R
Tier 3 :	N/R
Effluent Limitation Guidelines :	N
Sector S Use of Chemicals :	N
Activity Code :	N/R
Primary SIC :	4581 - AIRPORTS, FLYING FIELDS, AND AIRPORT TERMINAL SERVICES
Sector :	S
Inactive and Unstaffed :	N
Entire Permit :	N/R
ESA Criterion :	A
NPDES Existing :	N
ESA Pollutant :	N/R
Benchmark :	N/R
Is Benchmark :	N/R
Is Exceed Benchmark :	N/R
Is Exceed Limit :	N/R
No Benchmark Other :	N/R
C033 flag :	N/R
Latitude :	611,643
Longitude :	1,499,875
Last Date in Agency List :	03/05/2014

LUST - AK

Facility Name :	AIA Signature Flight Support UST Dispenser
Facility Address :	6231 South Airpark Place, Anchorage, AK 99508
Hazard ID :	26838
File ID :	2100.26.612
LUST Event ID :	N/R
Archived Record Key :	N/R
Status :	Open
CS or LUST :	LUST
Staff :	Janice Wiegers
Facility Owner :	ADOT&PF - Anchorage
Site Type :	Airport/Airfield
Borough :	Anchorage
Horizontal Datum :	WGS84

Map Id: B5
Direction: ENE
Distance: 0.355 mi., 1876 ft.
Elevation: 119 ft.
Relative: Higher

Site Name : Signature Flight Support-Anchorage | AIA Signature Flight Support UST Dispenser
6231 S. Airpark Place | 6231 South Airpark Place
Anchorage, AK

Database(s) : [ENOI, LUST - AK] ***(cont.)***

Envirosite ID: 1660
EPA ID: N/R

LUST - AK ***(cont.)***

Latitude :	61.164636
Longitude :	-149.986436
Last Date in Agency List :	2021-04-02

Map Id: 6
Direction: E
Distance: 0.366 mi., 1931 ft.
Elevation: 131 ft.
Relative: Higher

Site Name : TROY AIR INC. | Troy Air Hangar
6601 S AIRPARK RD | 6601 S. Airpark Place
ANCHORAGE | Anchorage, AK

Database(s) : [LUST - AK, UST - AK]

Envirosite ID: 2224
EPA ID: N/R

LUST - AK

Facility Name :	Troy Air Hangar
Facility Address :	6601 S. Airpark Place, Anchorage, AK 99504
Hazard ID :	24900
File ID :	2100.26.036.16
LUST Event ID :	1884
Archived Record Key :	1995210026201
Status :	Cleanup Complete
CS or LUST :	LUST
Staff :	IC Unit
Facility Owner :	Troy Air Inc
Site Type :	Airport/Airfield
Borough :	Anchorage
Horizontal Datum :	N/R
Latitude :	61.161355
Longitude :	-149.982645
Last Date in Agency List :	2021-04-02

UST - AK

Facility Name :	Troy Air Inc.
Facility Address :	6601 S Airpark RD, Anchorage, AK 99502

Site Details

Facility ID :	2662
Facility Type :	Air Taxi (Airline)
Owner ID :	1785
Owner Name :	Troy Air Inc
Owner Address :	3811 W 64th, Anchorage, AK 99502
Last Date in Agency List :	11/23/2020

Map Id: 6
Direction: E
Distance: 0.366 mi., 1931 ft.
Elevation: 131 ft.
Relative: Higher

Site Name : TROY AIR INC. | Troy Air Hangar
6601 S AIRPARK RD | 6601 S. Airpark Place
ANCHORAGE | Anchorage, AK

Database(s) : [LUST - AK, UST - AK] ***(cont.)***

Envirosite ID: 2224
EPA ID: N/R

UST - AK ***(cont.)***

Tank Summaries

DEC Tank ID :	1
Owner Tank ID :	1
Regulated Tank? :	Yes
Compliance Tag Number :	N/R
Status :	Permanently Out of Use Closed on 6/27/1995
Installed :	01/01/1981
Closure Status :	Not Listed
Age :	14.5
Product :	Gasoline
Capacity :	25000 gallons
Tank Material Construction :	Not Listed
Secondary Containment Option (Tank) :	None
Tank Release Detection :	Not Listed
Pipe Material Construction :	Not Listed
Piping Type :	Not Listed
Secondary Containment Option (Piping):	None
Piping Release Detection :	Not Listed
Overfill Prevention Method :	No
Spill Prevention Method :	No
Cathodic Protection Method :	No
LD Other Methods :	N/R
Next Inspection Due :	N/R

DEC Tank ID :	2
Owner Tank ID :	2
Regulated Tank? :	Yes
Compliance Tag Number :	N/R
Status :	Permanently Out of Use Closed on 6/27/1995
Installed :	01/01/1981
Closure Status :	Not Listed
Age :	14.5
Product :	Gasoline
Capacity :	25000 gallons
Tank Material Construction :	Not Listed
Secondary Containment Option (Tank) :	None
Tank Release Detection :	Not Listed
Pipe Material Construction :	Not Listed
Piping Type :	Not Listed
Secondary Containment Option (Piping):	None
Piping Release Detection :	Not Listed
Overfill Prevention Method :	No
Spill Prevention Method :	No
Cathodic Protection Method :	No
LD Other Methods :	N/R
Next Inspection Due :	No Date Available

DEC Tank ID :	3
Owner Tank ID :	3
Regulated Tank? :	Yes
Compliance Tag Number :	N/R
Status :	Permanently Out of Use Closed on 6/27/1995
Installed :	01/01/1981
Closure Status :	Not Listed

Map Id: 6
Direction: E
Distance: 0.366 mi., 1931 ft.
Elevation: 131 ft.
Relative: Higher

Site Name : TROY AIR INC. | Troy Air Hangar
6601 S AIRPARK RD | 6601 S. Airpark Place
ANCHORAGE | Anchorage, AK

Database(s) : [LUST - AK, UST - AK] ***(cont.)***

Envirosite ID: 2224
EPA ID: N/R

UST - AK ***(cont.)***

Age :	14.5
Product :	Gasoline
Capacity :	25000 gallons
Tank Material Construction :	Not Listed
Secondary Containment Option (Tank) :	None
Tank Release Detection :	Not Listed
Pipe Material Construction :	Not Listed
Piping Type :	Not Listed
Secondary Containment Option (Piping):	None
Piping Release Detection :	Not Listed
Overfill Prevention Method :	No
Spill Prevention Method :	No
Cathodic Protection Method :	No
LD Other Methods :	N/R
Next Inspection Due :	No Date Available

DEC Tank ID :	4
Owner Tank ID :	4
Regulated Tank? :	Yes
Compliance Tag Number :	N/R
Status :	Permanently Out of Use Closed on 6/27/1995
Installed :	01/01/1981
Closure Status :	Not Listed
Age :	14.5
Product :	Gasoline
Capacity :	12000 gallons
Tank Material Construction :	Not Listed
Secondary Containment Option (Tank) :	None
Tank Release Detection :	Not Listed
Pipe Material Construction :	Not Listed
Piping Type :	Not Listed
Secondary Containment Option (Piping):	None
Piping Release Detection :	Not Listed
Overfill Prevention Method :	No
Spill Prevention Method :	No
Cathodic Protection Method :	No
LD Other Methods :	N/R
Next Inspection Due :	No Date Available

DEC Tank ID :	5
Owner Tank ID :	5
Regulated Tank? :	Yes
Compliance Tag Number :	N/R
Status :	Permanently Out of Use Closed on 6/27/1995
Installed :	01/01/1981
Closure Status :	Not Listed
Age :	14.5
Product :	Gasoline
Capacity :	12000 gallons
Tank Material Construction :	Not Listed
Secondary Containment Option (Tank) :	None
Tank Release Detection :	Not Listed
Pipe Material Construction :	Not Listed
Piping Type :	Not Listed

Map Id: 6
Direction: E
Distance: 0.366 mi., 1931 ft.
Elevation: 131 ft.
Relative: Higher

Site Name : TROY AIR INC. | Troy Air Hangar
6601 S AIRPARK RD | 6601 S. Airpark Place
ANCHORAGE | Anchorage, AK

Database(s) : [LUST - AK, UST - AK] ***(cont.)***

Envirosite ID: 2224
EPA ID: N/R

UST - AK ***(cont.)***

Secondary Containment Option (Piping):	None
Piping Release Detection :	Not Listed
Overfill Prevention Method :	No
Spill Prevention Method :	No
Cathodic Protection Method :	No
LD Other Methods :	N/R
Next Inspection Due :	No Date Available

Leak UST Information

Site Name :	Troy Air Hangar
Hazard ID :	24900
Event ID :	1884
File Number :	2100.26.036.16
Status :	Cleanup Complete
Spill Date :	01/08/1999
Latitude :	61.161355
Longitude :	-149.982645

Map Id: B7
Direction: ENE
Distance: 0.368 mi., 1941 ft.
Elevation: 120 ft.
Relative: Higher

Site Name : ERA Helicopters - Aviation Center - Blue Hanger
6160 South Airpark Drive;
Anchorage, AK 99502

Database(s) : [I C - AK, SHWS - AK]

Envirosite ID: 19597
EPA ID: N/R

I C - AK

Facility Name :	ERA Helicopters - Aviation Center - Blue Hanger
Facility Address :	6160 South Airpark Drive;, Anchorage
County :	N/R
Hazard ID :	23686
Status :	Active
Staff :	Dooley, Meghan
File Number :	2100.26.160
Source :	N/R
Latitude :	N/R
Longitude :	N/R
Last Date in Agency List :	2014-01-16

SHWS - AK

Facility Name :	ERA Helicopters - Aviation Center - Blue Hanger
Facility Address :	6160 South Airpark Drive; ,, Anchorage, AK 99502

Map Id: B7
Direction: ENE
Distance: 0.368 mi., 1941 ft.
Elevation: 120 ft.
Relative: Higher

Site Name : ERA Helicopters - Aviation Center - Blue Hanger
6160 South Airpark Drive;
Anchorage, AK 99502

Database(s) : [I C - AK, SHWS - AK] ***(cont.)***

Envirosite ID: 19597
EPA ID: N/R

SHWS - AK ***(cont.)***

Hazard ID :	23686
File ID :	2100.26.160
LUST Event ID :	N/R
Archived Record Key :	1994210024303
Status :	Open
CS or LUST :	N/R
Staff :	N/R
Facility Owner :	N/R
Site Type :	N/R
Borough :	N/R
Horizontal Datum :	N/R
Latitude :	61.642128
Longitude :	-149.986141
Last Date in Agency List :	2015-01-09

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK]

Envirosite ID: 1426
EPA ID: N/R

DOCKET

Facility Name :	GREAT CIRCLE FLIGHT SERVICES, LLC
Facility Address :	6121 S. AIRPARK PLACE #2, ANCHORAGE, AK 99502

Standard Industrial Classification(SIC) Summary

Enforcement Action Name :	GREAT CIRCLE FLIGHT SERVICES, LLC
Registry ID :	110070214786
Primary SIC :	N/R
Primary NAICS :	N/R
Last Date in Agency List :	12/17/2018

Enforcement Action Case Number :	AK-200160494
Activity ID :	3601397544
Final Ordr Iss/Final Order Enter Date:	N/R
Final Order Name :	N/R
Settlement FRS ICIS Facility ID :	N/R
Final Order FRS Name :	N/R
SEP Category :	N/R

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

DOCKET ***(cont.)***

SEP Description : N/R

Complaint Summary
Respondent/Defendant Name : N/R
Named in Complaint : N/R
Named in Final Order : N/R

Pollutant Summary
Pollutants (SRS) : N/R

Violation and Enforcement Action Summary
Court Docket Number : 2100.44.128
Complaint/Proposed Order Actual Date: N/R
Final Order Issued Actual Date : N/R
Admin EA Closed Actual Date : 04/02/2018
Enforcement Action Name : GREAT CIRCLE FLIGHT SERVICE
Enforcement Action Resolution : N/R

Violation Type : N/R

Statute Code : CWA
Law Section Code : OTHER
Law Section Description : Violations not covered elsewhere

Violation Penalties and Compliance Summary
Compliance Action Cost : N/R
EPA Penalty Assessed Amount : N/R
Cost Recovery Required : N/R
Cost of SEP : N/R
Cost of Complying Actions : N/R

ECHO

Facility Name : FS AIR SERVICE INC
Facility Address : 6121 S AIRPARK PL, ANCHORAGE, AK 99502
County : ANCHORAGE

Last Inspection Date : N/R
Registry ID : 110022304987

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

ECHO ***(cont.)***

FIPS Code :	02020
EPA Region :	10
Inspection Count :	0
Last Inspection Days :	N/R
Informal Count :	0
Last Informal Action Date :	N/R
Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation
Three-Year Compliance Status :	_____
Collection Method :	ADDRESS MATCHING-HOUSE NUMBER
Reference Point :	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters :	50
Derived Tribes :	Knik Tribe - 22 mile(s)
Derived HUC :	19020401
Derived WBD :	N/R
Derived STCTY FIPS :	02020
Derived Zip :	99502
Derived CD113 :	01
Derived CB2010 :	020200023011058
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	N/R
Facility NAICS :	481219 - Other Nonscheduled Air Transportation
Facility Last Inspection EPA Date :	N/R

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

ECHO ***(cont.)***

Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R
Facility Last Informal Act State Date:	N/R
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N
SDWIS Flag :	N
RCRA Flag :	Y
TRI Flag :	N
GHG Flag :	N
Major Flag :	N/R
Active Flag :	N/R
NAA Flag :	N/R
Latitude :	61.164866
Longitude :	-149.988134
Last Date in Agency List :	2018-03-12

Facility Name :	GREAT CIRCLE FLIGHT SERVICES, LLC
Facility Address :	6121 S. AIRPARK PLACE #2, ANCHORAGE, AK 99502
County :	ANCHORAGE MUNICIPALITY

Last Inspection Date :	2018-03-15
Registry ID :	110070214786
FIPS Code :	02020
EPA Region :	10
Inspection Count :	1
Last Inspection Days :	1025
Informal Count :	1
Last Informal Action Date :	2018-04-02
Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation Identified
Three-Year Compliance Status :	_____

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

ECHO ***(cont.)***

Collection Method :	ADDRESS MATCHING-HOUSE NUMBER
Reference Point :	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters :	50
Derived Tribes :	Knik Tribe - 22 mile(s)
Derived HUC :	19020401
Derived WBD :	N/R
Derived STCTY FIPS :	02020
Derived Zip :	99502
Derived CD113 :	01
Derived CB2010 :	020200023011058
MYRTK Universe :	NNN
NPDES IDs :	AKR061013 AKR06AF34
CWA Permit Types :	Minor
CWA Compliance Tracking :	On
CWA NAICS :	N/R
CWA SICS :	4581
CWA Inspection Count :	1
CWA Last Inspection Days :	1025
CWA Informal Count :	1
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	0
CWA Current Compliance Status :	No Violation Identified
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	_____
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	4581
Facility NAICS :	N/R
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	2018-03-15
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R
Facility Last Informal Act State Date:	2018-04-02
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	Y
SDWIS Flag :	N

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

ECHO ***(cont.)***

RCRA Flag :	N
TRI Flag :	N
GHG Flag :	N
Major Flag :	N/R
Active Flag :	Y
NAA Flag :	N
Latitude :	61.164866
Longitude :	-149.988134
Last Date in Agency List :	2021-02-17

ENOI

Facility Name :	Great Circle Flight Services
Facility Address :	6121 South Airpark Place, # 2, Anchorage, AK 99502
County :	Anchorage

Site Details

IRS EIN :	N/R
Date of Coverage :	08/21/2008
Date Submitted :	08/14/2008
Certified Date :	08/14/2008
Current Status :	Expired
Permit Number :	AKR10C762
MS4 Operator :	N/R
Operator Name :	N/R
Operator Address 1 :	N/R
Operator Address 2 :	N/R
Reservation Name :	N/R
Located Indian Land :	N/R
Discharge into MS4 1 :	N/R
Discharge into MS4 2 :	N/R
Pollutants in Discharge :	N/R
Pollutant Present in Discharge :	N/R
TMDL Complete :	N/R
Length of Time :	N/R
Species in Action Area :	N/R
Forty CFR Subpart :	N/R
Distance BTW Point :	0.1
Is Pollutant Present for ESA :	N/R
Receiving Waters :	N/R
Impaired Waters :	N/R
Tier 2 :	N/R
Tier 3 :	N/R
Effluent Limitation Guidelines :	N/R
Sector S Use of Chemicals :	N/R
Activity Code :	N/R
Primary SIC :	N/R
Sector :	N/R

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

ENOI ***(cont.)***

Inactive and Unstaffed :	N/R
Entire Permit :	N/R
ESA Criterion :	A
NPDES Existing :	N/R
ESA Pollutant :	N/R
Benchmark :	N/R
Is Benchmark :	N/R
Is Exceed Benchmark :	N/R
Is Exceed Limit :	N/R
No Benchmark Other :	N/R
C033 flag :	N/R
Latitude :	61,09,56
Longitude :	149,59,14
Last Date in Agency List :	03/05/2014

FRS

Facility Name :	FS AIR SERVICE INC
Facility Address :	6121 S AIRPARK PL, ANCHORAGE, AK 99502
County :	ANCHORAGE

Site Details

Registry ID :	110022304987
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	02/15/2018

Source Description

Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

FRS Environmental Interest

Source and System ID :	RCRAINFO - AKR000201509
Facility Name :	GREAT CIRCLE FLIGHT SERVICES, LLC
Facility Address :	6121 S. AIRPARK PLACE #2, ANCHORAGE, AK 99502

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

FRS ***(cont.)***

County : ANCHORAGE MUNICIPALITY

Site Details
Registry ID : 110070214786
FRS Facility URL : Click here for hyperlink provided by the agency.
Last Date in Agency List : 11/27/2020

Source Description

Source Description :

The NPDES module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

FRS Environmental Interest
Source and System ID : ICIS - AKR061013
ICIS - AKR06AF34

ICIS

Facility Name : GREAT CIRCLE FLIGHT SERVICES ANC-GP
Facility Address : 6121 S. AIRPARK PLACE, #2, ANCHORAGE, AK 99502

Site Details
NPDES ID : AKR061013
ICIS Facility Interest ID : 3601185644
Facility UIN : 110070214786
Facility Type Code : Privately Owned Facility
Impaired Waters : N/R
Latitude : 61.165
Longitude : -149.9875
Last Date in Agency List : 2021-03-15

Facility NAICS
NAICS Code : N/R
NAICS Description : N/R

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

ICIS ***(cont.)***

Facility SIC
SIC Code : 4581
SIC Description : Airports, Flying Fields, & Services

Facility Name : GREAT CIRCLE FLIGHT SERVICES, LLC
Facility Address : 6121 S. AIRPARK PLACE #2, ANCHORAGE, AK 99502

Site Details
NPDES ID : AKR06AF34
ICIS Facility Interest ID : 3600856337
Facility UIN : 110070214786
Facility Type Code : N/R
Impaired Waters : N/R
Latitude : 61.1649
Longitude : -149.9874
Last Date in Agency List : 2021-03-15

Facility NAICS
NAICS Code : N/R
NAICS Description : N/R

Facility SIC
SIC Code : 4581
SIC Description : Airports, Flying Fields, & Services

INACTIVE PCS

Issue Date : 2018-03-12
Original Issue Date : 2018-03-12
Effective Date : 2018-03-19
Expiration Date : 2020-03-31
Retirement Date : N/R
Termination Date : 2020-10-30
Issuing Agency : ADEC
Agency Type : State
Activity ID : 3601379666
External Permit Number : AKR06AF34
Facility Type Indicator : NON-POTW
Permit Type : General Permit Covered Facility-NPDES)
Major Minor Status : N
Permit Status : Terminated
Total Design Flow Number : N/R
Actual Average Flow Number : N/R

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

INACTIVE PCS ***(cont.)***

State Water Body :	N/R
State Water Body Name :	Cook Inlet
Permit Name :	ANC AK HOLDINGS LLC
Permit Comp Status :	Y
RNC Tracking :	Y
Master External Permit Number :	AKR060000
TMDL Interface :	N/R
EDMR Authorization :	N
Pretreatment Indicator :	N/R
Last Date in Agency List :	2021-03-17

PCS ENF

Site Details

NPDES ID :	AKR06AF34
Last Date in Agency List :	2021-03-17

Formal Enforcement Actions

Settlement Entered Date :	N/R
ENF Identifier :	N/R
Activity ID :	N/R
Activity Type :	N/R
ENF Type :	N/R
Agency :	N/R
Fed Penalty Assessed Amount :	N/R
State Local Penalty Amount :	N/R

Informal Enforcement Actions

Achieved Date :	04/02/2018
Registry ID :	110070214786
ENF Identifier :	AK-200160494
Activity ID :	3601397544
Activity Type :	Administrative - Informal
ENF Type :	Notice of Violation
Agency :	State

PCS FACILITY

Issue Date :	2020-03-23
Original Issue Date :	2020-03-23
Effective Date :	2020-03-23
Expiration Date :	2024-10-31
Retirement Date :	N/R
Termination Date :	N/R
Issuing Agency :	ADEC
Agency Type :	State

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

PCS FACILITY ***(cont.)***

Activity ID :	3602158396
External Permit Number :	N/R
Facility Type Indicator :	NON-POTW
Permit Type :	General Permit Covered Facility-NPDES)
Major Minor Status :	N
Permit Status :	Effective
Total Design Flow Number :	N/R
Actual Average Flow Number :	N/R
State Water Body :	N/R
State Water Body Name :	Lake Spenard
Permit Name :	Ross Aviation
Permit Comp Status :	Y
RNC Tracking :	Y
Master External Permit Number :	AKR061000
TMDL Interface :	N/R
EDMR Authorization :	N
Pretreatment Indicator :	N/R
Last Date in Agency List :	2021-03-17

Issue Date :	2018-03-12
Original Issue Date :	2018-03-12
Effective Date :	2018-03-19
Expiration Date :	2020-03-31
Retirement Date :	N/R
Termination Date :	N/R
Issuing Agency :	ADEC
Agency Type :	State
Activity ID :	3601379666
External Permit Number :	AKR06AF34
Facility Type Indicator :	NON-POTW
Permit Type :	General Permit Covered Facility-NPDES)
Major Minor Status :	N
Permit Status :	Effective
Total Design Flow Number :	N/R
Actual Average Flow Number :	N/R
State Water Body :	N/R
State Water Body Name :	COOK INLET
Permit Name :	ANC AK HOLDINGS LLC
Permit Comp Status :	Y
RNC Tracking :	Y
Master External Permit Number :	AKR060000
TMDL Interface :	N/R
EDMR Authorization :	N
Pretreatment Indicator :	N/R
Last Date in Agency List :	2020-02-11

RCRA_NONGEN

Facility Name :	FS AIR SERVICE INC

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

RCRA_NONGEN ***(cont.)***

Facility Address :	6121 S AIRPARK PL, ANCHORAGE, AK 99502
County :	ANCHORAGE
Date Form Received by Agency :	2006-05-17
EPA ID :	AKR000201509
Mailing Address :	PO BOX 230245, ANCHORAGE, AK 99523
Contact :	SANDRA J BUTLER
Contact Address :	N/R
Contact Country :	US
Contact Telephone :	907-230-8470
Contact Email :	THB@ALASKA.NET
EPA Region :	10
Land Type :	State
Source Type :	Implementer
Classification :	Not a generator, verified
Description :	Not a generator, verified
Last Date in Agency List :	2021-04-26

Owner/Operator Summary

Owner/Operator Name :	FS AIR SERVICE, INC
Owner/Operator Address :	N/R
Owner/Operator Country :	US
Owner/Operator Telephone :	N/R
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Operator
Owner/Operator Start Date :	1990-01-01
Owner/Operator End Date :	N/R

Owner/Operator Name :	TED STEVENS ANCHORAGE INTL AIRPORT
Owner/Operator Address :	C/O PO BOX 230245, ANCHORAGE, AK 99523
Owner/Operator Country :	US
Owner/Operator Telephone :	N/R
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	State
Owner/Operator Type :	Owner
Owner/Operator Start Date :	1959-01-03
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

RCRA_NONGEN ***(cont.)***

Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Historical Generators

Date Form Received by Agency :	2005-04-08
Facility Name :	FS AIR SERVICE INC
Classification :	Large Quantity Generator

Notices of Violations Summary

Regulation Violated :	N

SHWS - AK

Facility Name :	F.S. Air Service
Facility Address :	6121 South Air Park Place, Anchorage, AK 99502
Hazard ID :	912
File ID :	CS67.27NF
LUST Event ID :	N/R
Archived Record Key :	1990210124303
Status :	Cleanup Complete
CS or LUST :	Contaminated Sites Program
Staff :	No Longer Assigned
Facility Owner :	N/R
Site Type :	Airport/Airfield
Borough :	Anchorage
Horizontal Datum :	N/R
Latitude :	61.165010
Longitude :	-149.983390
Last Date in Agency List :	2021-04-02

SPILLS - AK

Spill Date :	2012-05-17

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

SPILLS - AK ***(cont.)***

Case Closed Date :	2012-06-04
Spill ID :	39791
Spill Number :	12239913802
Spill Name :	Anchorage International Airport 6 gallon jet fuel
Facility Type :	Air Transportation
Facility SubType :	Aircraft
Response :	Took Report
Source Type :	Other
Area :	Central Alaska
SubArea :	Cook Inlet
Region :	Anch Municipal
Location :	INTERNATIONAL AIRPORT
Substance Type :	Noncrude Oil
Substance SubType :	Kerosene
Quantity Released :	6.000
Substance Unit :	Gallons
Quantity Potential :	N/R
Cause SubType :	Human Error
Cause Type :	Human Factors
Affiliate Role :	Primary Responsible Party
Responsible Party :	Alaska Airlines - Fuller, Amy
Latitude :	N/R
Longitude :	N/R
Location Data :	N/R
Agency Link :	Click here for hyperlink provided by the agency.

Spill Date :	2014-07-10
Case Closed Date :	2014-07-10
Spill ID :	44181
Spill Number :	14239919101
Spill Name :	Anchorage Alaska Airlines Hydraulic Fluid
Facility Type :	Air Transportation
Facility SubType :	Airport/Airfield
Response :	Took Report
Source Type :	Hydraulic System
Area :	Central Alaska
SubArea :	Cook Inlet
Region :	Anch Municipal
Location :	INTERNATIONAL AIRPORT
Substance Type :	Noncrude Oil
Substance SubType :	Hydraulic Oil
Quantity Released :	0.500
Substance Unit :	Gallons
Quantity Potential :	N/R
Cause SubType :	Line Failure
Cause Type :	Structural/Mechanical
Affiliate Role :	Primary Responsible Party
Responsible Party :	Alaska Airlines - ,
Latitude :	N/R

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

SPILLS - AK ***(cont.)***

Longitude :	N/R
Location Data :	N/R
Agency Link :	Click here for hyperlink provided by the agency.

Spill Date :	2018-10-24
Case Closed Date :	2018-11-19
Spill ID :	62038
Spill Number :	18239929703
Spill Name :	MOSRL: Great Circle Svcs JetA spill 10/24
Facility Type :	Air Transportation
Facility SubType :	Airport/Airfield
Response :	Took Report
Source Type :	Tank, Other, Mobile
Area :	Central Alaska
SubArea :	Cook Inlet
Region :	Anch Municipal
Location :	INTERNATIONAL AIRPORT
Substance Type :	Noncrude Oil
Substance SubType :	Aviation Fuel
Quantity Released :	1.000
Substance Unit :	Gallons
Quantity Potential :	N/R
Cause SubType :	Human Error
Cause Type :	Human Factors
Affiliate Role :	Primary Responsible Party
Responsible Party :	Great Circle Flight Services, LLC - Tarter, Shaen
Latitude :	N/R
Longitude :	N/R
Location Data :	N/R
Agency Link :	Click here for hyperlink provided by the agency.

Spill Date :	2018-05-28
Case Closed Date :	2018-06-19
Spill ID :	61111
Spill Number :	18239914801
Spill Name :	MOSRL: Great Circle Flight Svcs Jet A spill 5/28
Facility Type :	Air Transportation
Facility SubType :	Aircraft
Response :	Took Report
Source Type :	Tank, Other, Mobile
Area :	Central Alaska
SubArea :	Cook Inlet
Region :	Anch Municipal
Location :	INTERNATIONAL AIRPORT
Substance Type :	Noncrude Oil
Substance SubType :	Aviation Fuel
Quantity Released :	2.000
Substance Unit :	Gallons

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

SPILLS - AK ***(cont.)***

Quantity Potential :	N/R
Cause SubType :	Equipment Failure
Cause Type :	Structural/Mechanical
Affiliate Role :	Primary Responsible Party
Responsible Party :	Great Circle Flight Services, LLC - Tarter, Shaen
Latitude :	N/R
Longitude :	N/R
Location Data :	N/R
Agency Link :	Click here for hyperlink provided by the agency.

Spill Date :	2007-11-16
Case Closed Date :	2007-12-05
Spill ID :	30400
Spill Number :	07239932001
Spill Name :	N/R
Facility Type :	Air Transportation
Facility SubType :	Airport/Airfield
Response :	Took Report
Source Type :	Unknown
Area :	Central Alaska
SubArea :	Cook Inlet
Region :	Anch Municipal
Location :	INTERNATIONAL AIRPORT
Substance Type :	Noncrude Oil
Substance SubType :	Aviation Fuel
Quantity Released :	3.000
Substance Unit :	Gallons
Quantity Potential :	N/R
Cause SubType :	Equipment Failure
Cause Type :	Structural/Mechanical
Affiliate Role :	Primary Responsible Party
Responsible Party :	Great Circle Flight Services, LLC - Tarter, Shaen
Latitude :	N/R
Longitude :	N/R
Location Data :	N/R
Agency Link :	Click here for hyperlink provided by the agency.

Spill Date :	2018-10-11
Case Closed Date :	2018-11-19
Spill ID :	62037
Spill Number :	18239928401
Spill Name :	MOSRL: Great Circle Aviation Avgas Spill 10/11
Facility Type :	Air Transportation
Facility SubType :	Airport/Airfield
Response :	Took Report
Source Type :	Tank, Other, Mobile
Area :	Central Alaska
SubArea :	Cook Inlet

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

SPILLS - AK ***(cont.)***

Region :	Anch Municipal
Location :	INTERNATIONAL AIRPORT
Substance Type :	Noncrude Oil
Substance SubType :	Aviation Fuel
Quantity Released :	2.000
Substance Unit :	Gallons
Quantity Potential :	N/R
Cause SubType :	Human Error
Cause Type :	Human Factors
Affiliate Role :	Primary Responsible Party
Responsible Party :	Great Circle Flight Services - Jennings, Louis
Latitude :	N/R
Longitude :	N/R
Location Data :	N/R
Agency Link :	Click here for hyperlink provided by the agency.

Spill Date :	2018-10-24
Case Closed Date :	2018-11-19
Spill ID :	62039
Spill Number :	18239929704
Spill Name :	MOSRL: Great Circle Svcs Jet A Aircraft Leak 10/24
Facility Type :	Air Transportation
Facility SubType :	Airport/Airfield
Response :	Took Report
Source Type :	Tank, Other, Mobile
Area :	Central Alaska
SubArea :	Cook Inlet
Region :	Anch Municipal
Location :	INTERNATIONAL AIRPORT
Substance Type :	Noncrude Oil
Substance SubType :	Diesel
Quantity Released :	2.000
Substance Unit :	Gallons
Quantity Potential :	N/R
Cause SubType :	Leak
Cause Type :	Structural/Mechanical
Affiliate Role :	Primary Responsible Party
Responsible Party :	Great Circle Flight Services, LLC - Tarter, Shaen
Latitude :	N/R
Longitude :	N/R
Location Data :	N/R
Agency Link :	Click here for hyperlink provided by the agency.

UST - AK

Facility Name :	Great Circle Flight Services, LLC
Facility Address :	6121 S Airpark Place Ste 2, Anchorage, AK 99502

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

UST - AK ***(cont.)***

Site Details

Facility ID :	2447
Facility Type :	Air Taxi (Airline)
Owner ID :	9734
Owner Name :	ANC AK Holdings, LLC
Owner Address :	Attn: Laura Charon, VP Alaska, Anchorage, AK 99502
Last Date in Agency List :	11/23/2020

Tank Summaries

DEC Tank ID :	1
Owner Tank ID :	1
Regulated Tank? :	Yes
Compliance Tag Number :	0434
Status :	Currently in Use
Installed :	01/01/1986
Closure Status :	Not Available
Age :	35.0
Product :	Diesel
Capacity :	15000 gallons
Tank Material Construction :	Cathodically Protected Steel
Secondary Containment Option (Tank) :	Double-Walled
Tank Release Detection :	Automatic Tank Gauging Insterstit. Dbl-Wall Monitor
Pipe Material Construction :	Bare Steel
Piping Type :	Pressurized
Secondary Containment Option (Piping):	Cathodically Protected
Piping Release Detection :	Not Listed
Overfill Prevention Method :	Yes
Spill Prevention Method :	Yes
Cathodic Protection Method :	Yes
LD Other Methods :	aboveground piping
Next Inspection Due :	N/R

DEC Tank ID :	2
Owner Tank ID :	2
Regulated Tank? :	Yes
Compliance Tag Number :	0435
Status :	Currently in Use
Installed :	01/01/1986
Closure Status :	Not Available
Age :	35.0
Product :	Gasoline
Capacity :	8000 gallons
Tank Material Construction :	Cathodically Protected Steel
Secondary Containment Option (Tank) :	Double-Walled
Tank Release Detection :	Insterstit. Dbl-Wall Monitor
Pipe Material Construction :	Bare Steel
Piping Type :	Pressurized

Map Id: B8
Direction: ENE
Distance: 0.387 mi., 2045 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : GREAT CIRCLE FLIGHT SERVICES, LLC | FS AIR SERVICE INC | GREAT CIRCLE FLIGHT SERVICES ANC-GP
6121 S. AIRPARK PLACE #2 | 6121 S AIRPARK PL | 6121 South Air Park Place
ANCHORAGE | Anchorage, AK 99502

Database(s) : [DOCKET, ECHO, ENOI, FRS, ICIS, INACTIVE PCS, PCS ENF, PCS FACILITY, RCRA_NONGEN, SHWS - AK, SPILLS - AK, UST - AK] ***(cont.)***

Envirosite ID: 1426
EPA ID: N/R

UST - AK ***(cont.)***

Secondary Containment Option (Piping):	Double-Walled
Piping Release Detection :	Auto Line LD Line Tightness Testing Insterstit. Dbl-Wall Monitor
Overfill Prevention Method :	Yes
Spill Prevention Method :	Yes
Cathodic Protection Method :	Yes
LD Other Methods :	Primary RD: interstitial monitoring with annual LTT; next due 10/23/2020
Next Inspection Due :	10/31/2022

Leak UST Information

Site Name :	F.S. Air Service
Hazard ID :	23319
Event ID :	2387
File Number :	2100.26.460
Status :	Cleanup Complete
Spill Date :	10/29/1999
Latitude :	61.165459
Longitude :	-149.985837

Map Id: B9
Direction: ENE
Distance: 0.388 mi., 2050 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : F.S. Air Service
6121 South Air Park
Anchorage, AK 99507

Database(s) : [LUST - AK]

Envirosite ID: 1904
EPA ID: N/R

LUST - AK

Facility Name :	F.S. Air Service
Facility Address :	6121 South Air Park, Anchorage, AK 99507
Hazard ID :	23319
File ID :	2100.26.460
LUST Event ID :	2387
Archived Record Key :	1999210017401
Status :	Cleanup Complete
CS or LUST :	LUST
Staff :	No Longer Assigned
Facility Owner :	Ross Anchorage LLC
Site Type :	Airport/Airfield
Borough :	Anchorage
Horizontal Datum :	N/R
Latitude :	61.165459

Map Id: B9
Direction: ENE
Distance: 0.388 mi., 2050 ft.
Elevation: 118 ft.
Relative: Higher

Site Name : F.S. Air Service
6121 South Air Park
Anchorage, AK 99507

Database(s) : [LUST - AK] ***(cont.)***

Envirosite ID: 1904
EPA ID: N/R

LUST - AK ***(cont.)***

Longitude :	-149.985837
Last Date in Agency List :	2021-04-02

Map Id: 10
Direction: E
Distance: 0.464 mi., 2452 ft.
Elevation: 129 ft.
Relative: Higher

Site Name : AIA - Sand Lake Road Soil Stockpile
Sand Lake & Raspberry Rds
Anchorage, AK 99502

Database(s) : [SHWS - AK]

Envirosite ID: 2877
EPA ID: N/R

SHWS - AK

Facility Name :	AIA - Sand Lake Road Soil Stockpile
Facility Address :	Sand Lake & Raspberry Rds, Anchorage, AK 99502
Hazard ID :	2024
File ID :	2100.38.028.18
LUST Event ID :	N/R
Archived Record Key :	1994210129201
Status :	Cleanup Complete
CS or LUST :	Contaminated Sites Program
Staff :	No Longer Assigned
Facility Owner :	ADOT&PF - Anchorage
Site Type :	Unknown
Borough :	Anchorage
Horizontal Datum :	NAD27
Latitude :	61.171870
Longitude :	-150.199580
Last Date in Agency List :	2021-04-02

Map Id: 11
Direction: ENE
Distance: 0.474 mi., 2505 ft.
Elevation: 116 ft.
Relative: Higher

Site Name : MarkAir - Anchorage 2
South Air Park Place
Anchorage, AK 99502

Database(s) : [SHWS - AK]

Envirosite ID: 2651
EPA ID: N/R

SHWS - AK

Facility Name :	MarkAir - Anchorage 2
Facility Address :	South Air Park Place, Anchorage, AK 99502
Hazard ID :	914
File ID :	2100.38.028.08
LUST Event ID :	N/R

Map Id: 11
Direction: ENE
Distance: 0.474 mi., 2505 ft.
Elevation: 116 ft.
Relative: Higher

Site Name : MarkAir - Anchorage 2
South Air Park Place
Anchorage, AK 99502

Database(s) : [SHWS - AK] ***(cont.)***

Envirosite ID: 2651
EPA ID: N/R

SHWS - AK ***(cont.)***

Archived Record Key :	1990210124902
Status :	Cleanup Complete
CS or LUST :	Contaminated Sites Program
Staff :	No Longer Assigned
Facility Owner :	N/R
Site Type :	Unknown
Borough :	Anchorage
Horizontal Datum :	N/R
Latitude :	61.164850
Longitude :	-149.984440
Last Date in Agency List :	2021-04-02

Map Id: 12
Direction: WNW
Distance: 0.537 mi., 2837 ft.
Elevation: 100 ft.
Relative: Lower

Site Name : AIA Fire Training Pit
South of Runway 6R
Anchorage, AK 99502

Database(s) : [SHWS - AK]

Envirosite ID: 7852
EPA ID: N/R

SHWS - AK

Facility Name :	AIA Fire Training Pit
Facility Address :	South of Runway 6R, Anchorage, AK 99502
Hazard ID :	414
File ID :	2100.38.028.26
LUST Event ID :	N/R
Archived Record Key :	1988210105901
Status :	Cleanup Complete
CS or LUST :	Contaminated Sites Program
Staff :	Janice Wiegers
Facility Owner :	N/R
Site Type :	Airport/Airfield
Borough :	Anchorage
Horizontal Datum :	WGS84
Latitude :	61.165719
Longitude :	-150.007902
Last Date in Agency List :	2021-04-02

Map Id: 13
Direction: E
Distance: 0.567 mi., 2992 ft.
Elevation: N/R
Relative: N/R

Site Name : TED STEVENS IAP
61.16588846, -149.98159491
AK

Database(s) : [DOD]

Envirosite ID: 33285391
EPA ID: N/R

DOD

Facility Name :	Ted Stevens IAP
Facility Address :	AK
Source Date :	03/17/2015
Category :	Fee
Unit Name :	Ted Stevens IAP
Owner Name :	Unknown
Local Owner :	N/R
Owner Type :	Unknown
Manager Type :	Federal
Manager Name :	Department of Defense
Local Manager :	AF Guard
Designation Type :	Military Land
Local Designation :	N/R
GIS Acres :	126
Source Protected Area ID :	N/R
WDPA Site :	0
Public Access :	Closed
Public Access Source :	GAP - Default
GAP Status Date :	2015
GAP Status :	4 - no known mandate for biodiversity protection
GAP Status Source :	GAP - Default
IUCN Category Date :	2015
IUCN Category :	Unassigned
IUCN Category Source :	GAP - Default
Date of Establishment :	N/R
Public Access Date :	N/R
Area Rptd :	0
Conflict :	N/R
Duration :	N/R
Security :	N/R
Easement Holder :	N/R
Easement Holder Type :	N/R
Stacked :	N/R
Co Held :	N/R
Term :	0
Prot Lvl :	N/R
Pri Con Fo :	N/R
Permanence :	N/R
NS Full :	N/R
Management Plan :	N/R
Fish Rstr :	N/R
Prot Foc :	N/R
Constancy :	N/R
Vessel :	N/R
Anchor :	N/R
Comments :	NO
Last Date in Agency List :	11/17/2020

Map Id: 14
Direction: ENE
Distance: 0.615 mi., 3247 ft.
Elevation: N/R
Relative: N/R

Site Name : N/A
57.6123446, -152.48792506
AK

Database(s) : [FEDLAND]

Envirosite ID: 17118579
EPA ID: N/R

FEDLAND

Facility Name :	N/A
Facility Address :	AK
Internal Feature Number :	1034
Primary Federal Land Type :	Public Domain Land
Primary GNIS ID :	N/A
Primary Administering Agency :	BLM
Secondary Federal Land Type :	N/A
Secondary GNIS ID :	N/A
Secondary GNIS Name :	N/A
Secondary Administering Agency :	N/A
Tertiary Federal Land Type :	N/A
Tertiary GNIS ID :	N/A
Tertiary GNIS Name :	N/A
Tertiary Administering Agency :	N/A
Perimeter (in Miles) :	25037.1221536
Area :	110442.781659
Link :	N/A

Map Id: 15
Direction: ENE
Distance: 0.638 mi., 3372 ft.
Elevation: 112 ft.
Relative: Higher

Site Name : ANG Kulis Fire Rescue Station | ANG Kulis Fire Rescue Station Access Road
Perimeter Road; Anchorage International Airport
Anchorage, AK 99502

Database(s) : [SHWS - AK]

Envirosite ID: 3045
EPA ID: N/R

SHWS - AK

Facility Name :	ANG Kulis Fire Rescue Station
Facility Address :	Perimeter Road; Anchorage International Airport, Anchorage, AK 99502
Hazard ID :	3147
File ID :	2100.38.436
LUST Event ID :	N/R
Archived Record Key :	1999210113101
Status :	Cleanup Complete
CS or LUST :	Contaminated Sites Program
Staff :	No Longer Assigned
Facility Owner :	N/R
Site Type :	Military Installation - Base/Post/Other
Borough :	Anchorage
Horizontal Datum :	WGS84
Latitude :	61.165785
Longitude :	-149.980579
Last Date in Agency List :	2021-04-02

Map Id: 15
Direction: ENE
Distance: 0.638 mi., 3372 ft.
Elevation: 112 ft.
Relative: Higher

Site Name : ANG Kulis Fire Rescue Station | ANG Kulis Fire Rescue Station Access Road
Perimeter Road; Anchorage International Airport
Anchorage, AK 99502

Database(s) : [SHWS - AK] ***(cont.)***

Envirosite ID: 3045
EPA ID: N/R

SHWS - AK ***(cont.)***

Facility Name :	ANG Kulis Fire Rescue Station Access Road
Facility Address :	Perimeter Road; Anchorage International Airport, Anchorage, AK 99502
Hazard ID :	26064
File ID :	2100.38.541
LUST Event ID :	N/R
Archived Record Key :	N/R
Status :	Cleanup Complete
CS or LUST :	Contaminated Sites Program
Staff :	No Longer Assigned
Facility Owner :	State of Alaska -DOTPF Anchorage International Air
Site Type :	Military Installation - Base/Post/Other
Borough :	Anchorage
Horizontal Datum :	WGS84
Latitude :	61.165804
Longitude :	-149.979796
Last Date in Agency List :	2021-04-02

Map Id: 16
Direction: ENE
Distance: 0.778 mi., 4108 ft.
Elevation: 111 ft.
Relative: Higher

Site Name : ANCHORAGE AIR NG
61.16522217, -149.97436523
ANCHORAGE, AK

Database(s) : [FUDS]

Envirosite ID: 40571735
EPA ID: N/R

FUDS

Facility Name :	ANCHORAGE AIR NG
Facility Address :	ANCHORAGE, AK
County :	ANCHORAGE, MUNICIPALITY
FUDS Property ID :	F10AK0272
FUDS Installation ID :	AK09799F276000
Status :	Properties without projects
NPL Status :	Not on the NPL
Current Owner :	N/R
Eligibility :	Eligible
FUDS Property have project :	No
EPA Region :	10
Congressional District :	00
District :	Alaska District (POA)
EMS Map Link :	Click here for hyperlink provided by the agency.
Latitude :	61.165
Longitude :	-149.97444444
Fiscal Year :	2019
Last Date in Agency List :	02/19/2021

Map Id: 17
Direction: ENE
Distance: 0.876 mi., 4626 ft.
Elevation: 97 ft.
Relative: Lower

Site Name : ANCH INTL APRT AAA GUN
61.16998291, -149.97790527
ANCHORAGE, AK

Database(s) : [FUDS]

Envirosite ID: 40571740
EPA ID: N/R

FUDS

Facility Name :	ANCH INTL APRT AAA GUN
Facility Address :	ANCHORAGE, AK
County :	ANCHORAGE, MUNICIPALITY
FUDS Property ID :	F10AK0532
FUDS Installation ID :	AK09799F701300
Status :	Properties without projects
NPL Status :	Not on the NPL
Current Owner :	N/R
Eligibility :	Eligible
FUDS Property have project :	No
EPA Region :	10
Congressional District :	00
District :	Alaska District (POA)
EMS Map Link :	Click here for hyperlink provided by the agency.
Latitude :	61.1699
Longitude :	-149.97789
Fiscal Year :	2019
Last Date in Agency List :	02/19/2021

Map Id: 18
Direction: WNW
Distance: 0.882 mi., 4655 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : AIA Landspreading Area
K Taxiway & Runway 6L
Anchorage, AK 99502

Database(s) : [I C - AK, SHWS - AK]

Envirosite ID: 4885
EPA ID: N/R

I C - AK

Facility Name :	AIA Landspreading Area
Facility Address :	K Taxiway & Runway 6L, Anchorage, AK 99502
County :	Anchorage
Hazard ID :	2740
Status :	Active
Staff :	Wendy Hansen
File Number :	2100.38.028.03
Source :	State list of sites with Institutional Controls
Latitude :	61.169013
Longitude :	-150.021428
Last Date in Agency List :	2020-04-01

SHWS - AK

Facility Name :	AIA Landspreading Area
Facility Address :	K Taxiway & Runway 6L, Anchorage, AK 99502
Hazard ID :	2740
File ID :	2100.38.028.03

Map Id: 18
Direction: WNW
Distance: 0.882 mi., 4655 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : AIA Landspreading Area
K Taxiway & Runway 6L
Anchorage, AK 99502

Database(s) : [I C - AK, SHWS - AK] ***(cont.)***

Envirosite ID: 4885
EPA ID: N/R

SHWS - AK ***(cont.)***

LUST Event ID :	N/R
Archived Record Key :	1997210127601
Status :	Open
CS or LUST :	Contaminated Sites Program
Staff :	Robert Burgess
Facility Owner :	ADOT&PF - Ted Stevens Airport
Site Type :	Airport/Airfield
Borough :	Anchorage
Horizontal Datum :	NAD83
Latitude :	61.169013
Longitude :	-150.021428
Last Date in Agency List :	2021-04-02

Map Id: 19
Direction: E
Distance: 0.986 mi., 5207 ft.
Elevation: 153 ft.
Relative: Higher

Site Name : Chugach Electric Raspberry Substation
7020 Caravelle Drive
Anchorage, AK 99502

Database(s) : [I C - AK, SHWS - AK]

Envirosite ID: 3586
EPA ID: N/R

I C - AK

Facility Name :	Chugach Electric Raspberry Substation
Facility Address :	7020 Caravelle Drive, Anchorage, AK 99502
County :	Anchorage
Hazard ID :	26275
Status :	Cleanup Complete - Institutional Controls
Staff :	IC Unit,
File Number :	2100.38.549
Source :	State list of sites with Institutional Controls
Latitude :	61.15722
Longitude :	-149.967434
Last Date in Agency List :	2020-10-06

SHWS - AK

Facility Name :	Chugach Electric Raspberry Substation
Facility Address :	7020 Caravelle Drive, Anchorage, AK 99502
Hazard ID :	26275
File ID :	2100.38.549
LUST Event ID :	N/R
Archived Record Key :	N/R
Status :	Cleanup Complete - Institutional Controls
CS or LUST :	Contaminated Sites Program
Staff :	IC Unit
Facility Owner :	Municipality of Anchorage - Real Estate Department
Site Type :	Power Generation
Borough :	Anchorage

Map Id: 19
Direction: E
Distance: 0.986 mi., 5207 ft.
Elevation: 153 ft.
Relative: Higher

Site Name : Chugach Electric Raspberry Substation
7020 Caravelle Drive
Anchorage, AK 99502

Database(s) : [I C - AK, SHWS - AK] ***(cont.)***

Envirosite ID: 3586
EPA ID: N/R

SHWS - AK ***(cont.)***

Horizontal Datum :	WGS84
Latitude :	61.157220
Longitude :	-149.967434
Last Date in Agency List :	2021-04-02

ENVIROSITE ID	NAME	ADDRESS	CITY	ZIP	DATABASE(S)
33848386	ADOT&PF North Air Park Le...	International Airport Blv...	Anchorage	99502	SHWS - AK
33852650	ADOT&PF North Air Park Le...	West Northern Lights Blvd	Anchorage	99502	SHWS - AK
33866729	Adventures Unlimilted	Lot C, Block 210 Lake Hoo...	Anchorage	99502	LUST - AK
33887489	AIA - C Concourse Termina...	Anchorage Airport	Anchorage		I C - AK
33900100	AIA DOT/PF Tank #9	AIA - 110' North of Conco...	Anchorage	99517	I C - AK, SHWS - AK
33848810	ANCHORAGE INTERNATIONAL A...	NORTH TERMINAL | ANCHORAG...	Anchorage | ANCHORAGE	99502	ARCHIVED RCRA TSDF,...
33898932	ANCHORAGE MUNICIPALITY - ...	W RASPBERRY RD	ANCHORAGE	99502	HIST CORRACTS 2
33879606	Branham Air	DOT leased Lot Lake Hood	Anchorage	99502	LUST - AK
33900531	Buckner Building (Whittie...	Blackstone Road	Anchorage	99501	SHWS - AK
33871619	Grayling Native Store Tan...	Block 22 Lot 3 N. C. Stre...	Grayling	99502	TRIBAL BROWNFIELDS
33873323	MOA - AWWU - Point Woronz...	Hudson Rd.;	Anchorage	99502	LUST - AK
33860168	USDOT FAA POINT WORONZOF ...	ANCHORAGE INTL ARPRT AREA	ANCHORAGE	99502	CERCLIS NFRAP, FEDE...

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 04/13/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/09/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/13/2021

RCRA_TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 04/13/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/09/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/13/2021

FEDERAL CERCLIS LIST

CERCLIS NFRAP: The CERCLIS sites with No Further Remedial Action Planned from the CERCLIS program database. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 10/25/2013
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 02/12/2021

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 10/29/2013
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 02/12/2021

FEDERAL FACILITY: Sites where Federal Facilities Restoration and Reuse Office (FFRRO) arranged cleanup for Base Closure and Property Transfer at Federal Facilities

Agency Version Date: 11/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8712
Most Recent Contact: 02/12/2021

SEMS_8R_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided.

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SEMS_8R_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases

Agency Version Date: 04/13/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/09/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 04/13/2021

HIST CORRACTS 2: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/08/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 03/12/2021

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL: National Priority List of sites that were delisted and no longer require action

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

DELISTED PROPOSED NPL: Sites that have been delisted from the proposed National Priority List

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SEMS_DELETED NPL: All Deleted National Priority List Sties

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP: Sites in the EPA Landfill Methane Outreach Program

Agency Version Date: 04/09/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/06/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/09/2021

FEDERAL ERNS LIST

ERNS: Emergency Response Notification System records of reported spills

Agency Version Date: 02/04/2021
Agency Update Frequency: Annually
Planned Next Contact: 07/30/2021
Agency: National Response Center United States Coast Guard
Agency Contact: N/R
Most Recent Contact: 05/03/2021

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C: Federal listing of remediation sites with engineering controls

Agency Version Date: 03/11/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/07/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 03/11/2021

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES (cont.)

FED I C: Federal listing of remediation sites with institutional controls

Agency Version Date: 03/11/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/07/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 03/11/2021

RCRA IC_EC: Sites with institutional or engineering controls related to Resource Conservation and Recovery Act

Agency Version Date: 02/19/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/18/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 02/19/2021

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG: List of Resource Conservation and Recovery Act licensed conditionally exempt small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/08/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/12/2021

HIST RCRA_LQG: List of Resource Conservation and Recovery Act licensed large quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/08/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/12/2021

HIST RCRA_NONGEN: List of Resource Conservation and Recovery Act licensed non-generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/08/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/12/2021

HIST RCRA_SQG: List of Resource Conservation and Recovery Act licensed small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/08/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/12/2021

RCRA_LQG: Resource Conservation and Recovery Act listing of licensed large quantity generators

Agency Version Date: 04/13/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/09/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/13/2021

RCRA_NONGEN: Resource Conservation and Recovery Act listing of licensed non-generators

Agency Version Date: 04/13/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/09/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/13/2021

RCRA_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators

Agency Version Date: 04/13/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/09/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/13/2021

FEDERAL RCRA GENERATORS LIST (cont.)

RCRA_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators.

Agency Version Date: 04/13/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/09/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 04/13/2021

FEDERAL NPL SITE LIST

NPL: List of priority contaminated sites among identified releases or threatened releases of hazardous substances pollutants or contaminants nationally

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

NPL EPA R1 GIS: Geospatial data for the Environmental Protection Agency Region 1 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

NPL EPA R3 GIS: Geospatial data for the Environmental Protection Agency Region 3 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

NPL EPA R6 GIS: Geospatial data for the Environmental Protection Agency Region 6 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

NPL EPA R8 GIS: Geospatial data for the Environmental Protection Agency Region 8 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

NPL EPA R9 GIS: Geospatial data for the Environmental Protection Agency Region 9 National Priority List subject to environmental regulation

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 02/12/2021

PART NPL: Sites that are a part of an National Priority List site referred to as the parent site

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

FEDERAL NPL SITE LIST (cont.)

PROPOSED NPL: Sites that have been proposed for the National Priority List

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SEMS_FINAL NPL: All Included National Priority List Sites

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SEMS_PROPOSED NPL: All Proposed National Priority List Sites

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST: FEMA underground storage tank listing

Agency Version Date: 06/21/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/13/2021
Agency: FEMA
Agency Contact: 202-212-5283
Most Recent Contact: 04/16/2021

INDIAN UST R1: Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 02/03/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/26/2021
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 04/29/2021

INDIAN UST R10: Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 03/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/27/2021
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2021

INDIAN UST R2: Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 07/30/2021
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 05/05/2021

INDIAN UST R4: Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 03/01/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/27/2021
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2021

INDIAN UST R5: Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 02/15/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/14/2021
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 02/15/2021

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

INDIAN UST R6: Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 12/18/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/11/2021
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 03/17/2021

INDIAN UST R7: Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 02/15/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/14/2021
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 02/15/2021

INDIAN UST R8: Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 02/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/26/2021
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 04/29/2021

INDIAN UST R9: Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 02/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/26/2021
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 04/29/2021

AST - AK: Regulated refined product aboveground storage tanks list

Agency Version Date: 11/23/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/18/2021
Agency: Alaska Department of Environmental Conservation Division of Spill Prevention and Response
Agency Contact: 907-269-7886
Most Recent Contact: 02/19/2021

HIST UST - AK: List of underground storage tanks that is no longer in current agency list.

Agency Version Date: 09/11/2018
Agency Update Frequency: Annually
Planned Next Contact: 07/26/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-269-7886
Most Recent Contact: 04/27/2021

UST - AK: Underground storage tank list

Agency Version Date: 11/23/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/18/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-269-7886
Most Recent Contact: 02/19/2021

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS: Tribal brownfield remediation site listing

Agency Version Date: 02/10/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/29/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/02/2021

BROWNFIELDS - AK: Brownfield remediation sites list

Agency Version Date: 01/29/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/23/2021
Agency: Alaska Department of Environmental Conservation
Agency Contact: 907-451-2166
Most Recent Contact: 04/27/2021

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

E C - AK: List of remediation sites with engineering controls in place

Agency Version Date: 09/18/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/08/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-465-5229
Most Recent Contact: 03/12/2021

I C - AK: List of remediation sites with institutional controls in place

Agency Version Date: 09/18/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/08/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-465-5229
Most Recent Contact: 03/12/2021

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 02/02/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/26/2021
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 04/29/2021

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 03/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/27/2021
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2021

INDIAN LUST R2: Leaking Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 07/30/2021
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 05/05/2021

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 03/01/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/27/2021
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2021

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 02/15/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/14/2021
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 02/15/2021

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 11/23/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2021
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 02/19/2021

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 02/15/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/14/2021
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 02/15/2021

STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 02/19/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2021
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 02/19/2021

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 02/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/26/2021
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 04/29/2021

LUST - AK: Leaking underground storage tank sites list

Agency Version Date: 03/23/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/18/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-451-2182
Most Recent Contact: 03/23/2021

STATE- AND TRIBAL - EQUIVALENT CERCLIS

SHWS - AK: Contaminated sites program database where current and former landowners may be liable for state cleanup expenditures

Agency Version Date: 03/23/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/18/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-451-2182
Most Recent Contact: 03/23/2021

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

SWF/LF - AK: Landfills solid waste treatment facilities and solid waste storage facilities for the ADEC Solid Waste Program

Agency Version Date: 01/11/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/05/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-269-7802
Most Recent Contact: 04/08/2021

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

VCP - AK: Voluntary cleanup program sites list

Agency Version Date: 06/02/2020
Agency Update Frequency: No Update
Planned Next Contact: 05/14/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-465-5229
Most Recent Contact: 02/16/2021

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES: EPA Brownfields Assessment, Cleanup and Redevelopment Exchange System.

Agency Version Date: 12/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/23/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/26/2021

FED BROWNFIELDS: Federal brownfield remediation sites

Agency Version Date: 02/05/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/30/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 05/05/2021

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL: The U.S. Department of Justice listing of clandestine drug lab locations

Agency Version Date: 01/28/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/23/2021
Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 04/26/2021

US HIST CDL: The U.S. Department of Justice historical listing of clandestine drug lab locations

Agency Version Date: 08/05/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/31/2021
Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 03/03/2021

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8: List of Region 8 Indian land open dump inventory sites maintained within the STARS program that is no longer in current agency list.

Agency Version Date: 11/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 07/23/2021
Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2021

INDIAN ODI R8: Region 8 Indian land open dump inventory sites maintained within the STARS program

Agency Version Date: 02/12/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021
Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 02/12/2021

ODI: Open dump inventory sites

Agency Version Date: 10/03/2017
Agency Update Frequency: No Update
Planned Next Contact: 05/24/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/25/2021

TRIBAL ODI: Indian land open dump inventory for all regions

Agency Version Date: 03/10/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/04/2021
Agency: Indian Health Service
Agency Contact: 301-443-3593
Most Recent Contact: 03/10/2021

SWRCY - AK: Recycling centers list

Agency Version Date: 01/19/2018
Agency Update Frequency: Quarterly
Planned Next Contact: 07/09/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-269-7802
Most Recent Contact: 04/13/2021

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT): Hazardous Material spills reported by the Department of Transportation

Agency Version Date: 01/05/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/29/2021
Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 04/02/2021

HIST SPILLS - AK: List of Prevention and Emergency Reponse Program reported spill sites that is no longer in current agency list.

Agency Version Date: 02/14/2019
Agency Update Frequency: Annually
Planned Next Contact: 05/25/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-465-5250
Most Recent Contact: 02/26/2021

RECORDS OF EMERGENCY RELEASE REPORTS (cont.)

SPILLS - AK: Prevention and Emergency Reponse Program reported spill sites list

Agency Version Date: 03/26/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/22/2021
Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-465-5250
Most Recent Contact: 03/26/2021

LOCAL LAND RECORDS

LIENS 2: Comprehensive Environmental Response Compensation and Liability Act sites with liens

Agency Version Date: 05/11/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/28/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/01/2021

OTHER ASCERTAINABLE RECORDS

AFS: Air Facility Systems Quarterly Extract

Agency Version Date: 02/16/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/14/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/16/2021

ALT FUELING: Alternative Fueling Stations by fuel type.

Agency Version Date: 01/14/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/08/2021
Agency: U.S. Department of Energy
Agency Contact: N/R
Most Recent Contact: 04/12/2021

AST PBS: Bulk petroleum terminals with a total bulk storage capacity of 50,000 barrels or more.

Agency Version Date: 03/09/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 06/04/2021
Agency: Department of Homeland Security
Agency Contact: 202-853-5361
Most Recent Contact: 03/09/2021

BRS: Reporting of hazardous waste generation and management from large quantity generators

Agency Version Date: 04/13/2021
Agency Update Frequency: Biennial
Planned Next Contact: 07/09/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/13/2021

CDC HAZDAT: The Agency for Toxic Substances and Disease Registry's Hazardous Substance Release/Health Effects Database.

Agency Version Date: 08/21/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021
Agency: Agency for Toxic Substances and Disease Registry
Agency Contact: 770-488-6399
Most Recent Contact: 02/12/2021

COAL ASH DOE: List of existing and planned generators with 1 megawatt or greater of combined capacity that are utilizing coal ash impoundments.

Agency Version Date: 01/08/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/02/2021
Agency: Department of Energy
Agency Contact: (202) 586-8800
Most Recent Contact: 04/07/2021

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Agency Version Date: 02/18/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/17/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/18/2021

OTHER ASCERTAINABLE RECORDS (cont.)

COAL GAS: Manufactured Gas Plant locations

Agency Version Date: 01/22/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/16/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/20/2021

CONSENT (DECREES): Legal decisions regarding responsibility for Superfund locations

Agency Version Date: 11/13/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/10/2021
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/10/2021

CORRECTIVE ACTIONS_2020: In 2009 the EPA created the 2020 Corrective Action Baseline list of contaminated or potentially contaminated sites with a cleanup goal to complete 95% by the year 2020. The names on the list indicate the facility owners who may or may not have caused the contamination.

Agency Version Date: 12/21/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/30/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 05/04/2021

DEBRIS EPA LF: EPA list of designated landfill facilities for the safe disposal of disaster debris.

Agency Version Date: 01/26/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/23/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/27/2021

DEBRIS EPA SWRCY: EPA list of facilities for the safe recovery, recycling, and disposal of disaster debris.

Agency Version Date: 01/26/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/23/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/27/2021

DOD: Department of Defense sites

Agency Version Date: 11/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/12/2021

DOT OPS: Incident Data Report

Agency Version Date: 11/30/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/26/2021
Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 02/26/2021

ECHO: ECHO is EPA Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations related to CAA, CWA, RCRA, & SDWA.

Agency Version Date: 01/07/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/01/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 04/05/2021

ENOI: The Electronic Notice of Intent (eNOI) database contains construction sites and industrial facilities that submit permit requests to EPA for Construction General Permits (CGP) and Multi-Sector General Permits (MSGP).

Agency Version Date: 09/25/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/15/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/19/2021

OTHER ASCERTAINABLE RECORDS (cont.)

EPA FUELS: List of companies and facilities registered to participate in EPA Fuel Programs under Title 40 CFR Part 80.

Agency Version Date: 02/19/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 02/19/2021

EPA OSC: Listing of oil spills and hazardous substance release sites requiring EPA On-Site Coordinators.

Agency Version Date: 10/09/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/29/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 04/02/2021

EPA WATCH: The EPA Watch List was used to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. EPA maintained the lists from 2011 - 2013.

Agency Version Date: 02/09/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/28/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 04/01/2021

FA HWF: Hazardous Waste Facilities with Financial Assurance

Agency Version Date: 04/19/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/15/2021
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 04/19/2021

FEDLAND: Federal land locations

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/07/2021
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/09/2021

FRS: Facility Registry Systems

Agency Version Date: 11/27/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/24/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/23/2021

FTTS: Tracking of administrative and enforcement activities related to FIFRA/TSCA

Agency Version Date: 04/16/2013
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/15/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 04/19/2021

FTTS INSP: Tracking of inspections related to FIFRA/TSCA

Agency Version Date: 05/08/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/09/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 04/13/2021

FUDS: Defense sites that require cleanup

Agency Version Date: 02/19/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/19/2021
Agency: US Army Corps of Engineering
Agency Contact: (202) 761-0011
Most Recent Contact: 02/19/2021

OTHER ASCERTAINABLE RECORDS (cont.)

HIST AFS: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 06/14/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/28/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/01/2021

HIST AFS 2: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 04/30/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/28/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/30/2021

HIST DOD: Department of Defense historical sites

Agency Version Date: 08/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/11/2021
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/12/2021

HIST LEAD_SMELTER: List of former lead smelter sites that is no longer in current agency list.

Agency Version Date: 12/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 07/15/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/19/2021

HIST MLTS: List of sites in possession/use of radioactive materials regulated by NRC that is no longer in current agency list.

Agency Version Date: 07/13/2016
Agency Update Frequency: Annually
Planned Next Contact: 07/23/2021
Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 04/28/2021

HIST PCB TRANS: List of PCB Disposal Facilities that are no longer in current agency list.

Agency Version Date: 01/18/2018
Agency Update Frequency: No Update
Planned Next Contact: 05/17/2021
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 02/18/2021

HIST PCS ENF: List of permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/08/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/04/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 03/09/2021

HIST PCS FACILITY: List of Permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/18/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/03/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 03/09/2021

HIST SSTS: List of tracking of facilities who produce pesticides and their quantity that are no longer in current agency list.

Agency Version Date: 02/13/2019
Agency Update Frequency: Annually
Planned Next Contact: 05/21/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/23/2021

OTHER ASCERTAINABLE RECORDS (cont.)

HWC DOCKET: Listing of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste.

Agency Version Date: 02/16/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/17/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 02/16/2021

ICIS: Comprised of all Federal Administrative and Judicial enforcement information [intended to replace PCS] by tracking enforcement and compliance information (also contains what used to be known as FFTS)

Agency Version Date: 01/12/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/07/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/09/2021

INACTIVE PCS: Inactive Permitted facilities to discharge wastewater

Agency Version Date: 01/12/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/07/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 04/09/2021

INDIAN RESERVATION: Indian Reservation sites

Agency Version Date: 10/26/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/15/2021
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 04/19/2021

LUCIS: Land Use Control Information Systems

Agency Version Date: 07/24/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 07/01/2021
Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 04/06/2021

LUCIS 2: Land Use Control Information Systems

Agency Version Date: 01/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/18/2021
Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 02/19/2021

MINES: Mines Master Index Files

Agency Version Date: 04/09/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/06/2021
Agency: Department of Labor
Agency Contact: (202) 693-9400
Most Recent Contact: 04/09/2021

MINES USGS: Listing of all active mines and mineral plants in 2003

Agency Version Date: 04/13/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/09/2021
Agency: USGS Mineral Resources Program
Agency Contact: (703) 648-5953
Most Recent Contact: 04/13/2021

MLTS: Sites in possession/use of radioactive materials regulated by NRC

Agency Version Date: 05/19/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/30/2021
Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 05/04/2021

OTHER ASCERTAINABLE RECORDS (cont.)

NPL AOC: Areas of Concern related to NPL remediation sites

Agency Version Date: 11/17/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 02/12/2021

NPL LIENS: National Priority List of sites with Liens

Agency Version Date: 10/28/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

OSHA: OSHA's listing of inspections violations and fatality information

Agency Version Date: 01/11/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/05/2021
Agency: Occupational Safety & Health Administration
Agency Contact: 800-321-6742
Most Recent Contact: 04/08/2021

PADS: Listing of generators transporters commercial store/ brokers and disposers of PCB

Agency Version Date: 02/12/2021
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 02/12/2021

PCB TRANSFORMER: Disposal and Storage of Polychlorinated Biphenyl (PCB) Waste

Agency Version Date: 02/24/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 05/24/2021
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 02/24/2021

PCS ENF: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 01/12/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/07/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 04/09/2021

PCS FACILITY: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 01/12/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/07/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 04/09/2021

RAATS: Listing of major violators with enforcement actions issued under RCRA. Includes administrative and civil actions filed by the EPA. This dataset is no longer maintained.

Agency Version Date: 09/23/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/30/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 05/04/2021

RADINFO: EPA regulated facilities with radiation and radioactive materials

Agency Version Date: 08/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/19/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/22/2021

RMP: Facilities producing/handling/ process/ distribute/ store specific chemicals report plans required by the Clean Air Act

Agency Version Date: 03/17/2020
Agency Update Frequency: Monthly
Planned Next Contact: 07/13/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2534
Most Recent Contact: 04/16/2021

OTHER ASCERTAINABLE RECORDS (cont.)

ROD: Permanent remedy at an NPL site

Agency Version Date: 11/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/11/2021
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/12/2021

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners

Agency Version Date: 12/18/2020
Agency Update Frequency: No Update
Planned Next Contact: 06/14/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/16/2021

SEMS_SMELTER: This report includes sites that have smelting-related, or potentially smelting-related, indicators in the SEMS database. The report includes information on the site location as well as contaminants of concern.

Agency Version Date: 10/28/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/12/2021

SSTS: Tracking of facilities who produce pesticides and their quantity

Agency Version Date: 12/25/2020
Agency Update Frequency: Annually
Planned Next Contact: 06/18/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/23/2021

STORMWATER: Permitted storm water sites

Agency Version Date: 01/12/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/06/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/09/2021

TOSCA-PLANT: Plants controlled by the Toxic Substance Control Act

Agency Version Date: 12/28/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/23/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/26/2021

TRIS: Information regarding toxic chemicals that are being used/manufactured/ treated/ transported/released into the environment

Agency Version Date: 01/11/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/06/2021
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/09/2021

UMTRA: Uranium Recovery Sites

Agency Version Date: 01/14/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/08/2021
Agency: United States Nuclear Regulatory Commission
Agency Contact: (301) 415-8200
Most Recent Contact: 04/12/2021

VAPOR: EPA Vapor Intrusion Database

Agency Version Date: 03/19/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/15/2021
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2021

OTHER ASCERTAINABLE RECORDS (cont.)

AIRS - AK: A listing of permitted airs facilities

Agency Version Date: 04/09/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/07/2021

Agency: Alaska Department of Environmental Conservation Air Quality Division
Agency Contact: 907-465-5128
Most Recent Contact: 04/09/2021

COAL ASH - AK: Coal Ash Disposal Sites

Agency Version Date: 12/11/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/04/2021

Agency: Alaska Department of Environmantal Conservation
Agency Contact: 907-269-7802
Most Recent Contact: 03/09/2021

DRYCLEANERS - AK: Drycleaning facilities list

Agency Version Date: 03/31/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/25/2021

Agency: Alaska Department of Commerce Community and Economic Development
Agency Contact: 907-465-2596
Most Recent Contact: 03/31/2021

HIST NPDES - AK: List of permitted wastewater facilities that is no longer in current agency list.

Agency Version Date: 08/16/2018
Agency Update Frequency: Annually
Planned Next Contact: 07/13/2021

Agency: Alaska Department of Environmental Conservation
Agency Contact: 907-269-7580
Most Recent Contact: 04/15/2021

NPDES - AK: Listing of facilities with wastewater and NPDES permits

Agency Version Date: 01/25/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/19/2021

Agency: Alaska Department of Environmental Conservation
Agency Contact: 907-269-7580
Most Recent Contact: 04/22/2021

SUBJECT PROPERTY ADDRESS:
South Airpark

Anchorage, AK 99502

SUBJECT PROPERTY COORDINATES:

Latitude(North):	61.160644 - 61°9'38.3"
Longitude(West):	-149.995691 - -149°59'44.5"
Universal Transverse Mercator:	Zone 6N
UTM X (Meters):	338833.71
UTM Y (Meters):	6784372.81

ELEVATION:

Elevation:	106 ft. above sea level

USGS TOPOGRAPHIC MAP:

Subject Property Map:	61149-B7 Anchorage A-8 NW, AK
Most Recent Revision:	2016

GEOHYDROLOGY DATA:

SUBJECT PROPERTY TOPOGRAPHY:

Topographic Gradient: East

DFIRM FLOOD ZONE:

	DFIRM Flood
Subject Property County:	Electronic Data:
ANCHORAGE	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	020005
Additional Panels in search area:	No available data

FEMA FLOOD ZONE:

	FEMA Flood
Subject Property County:	Electronic Data:
ANCHORAGE	No available data.
Flood Plain Panel at Subject Property:	No available data
Additional Panels in search area:	No available data

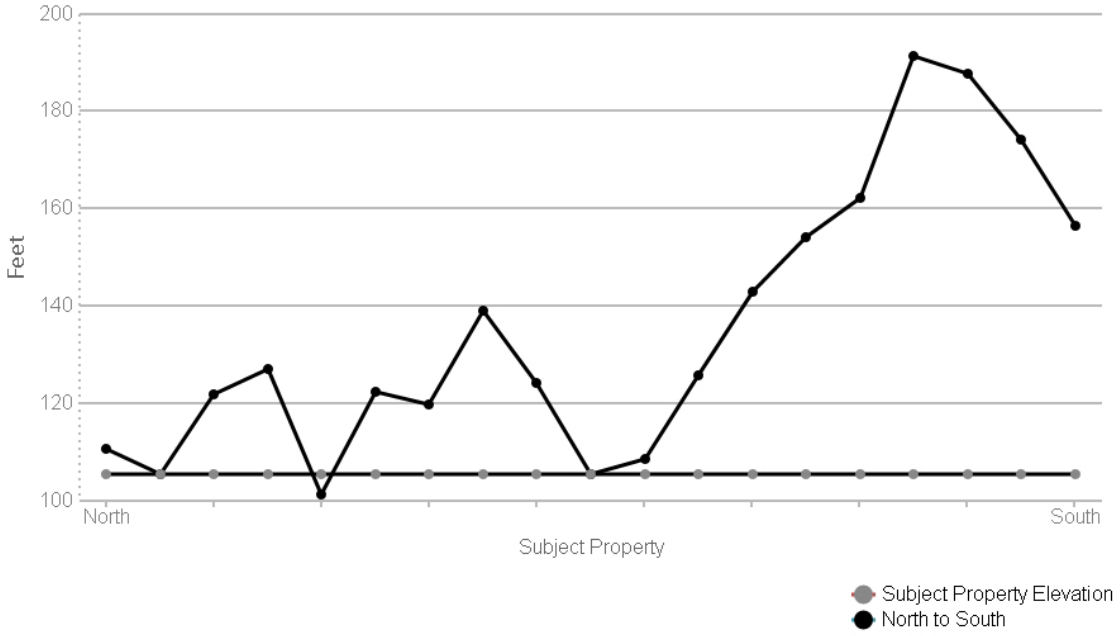
NATIONAL WETLAND INVENTORY:

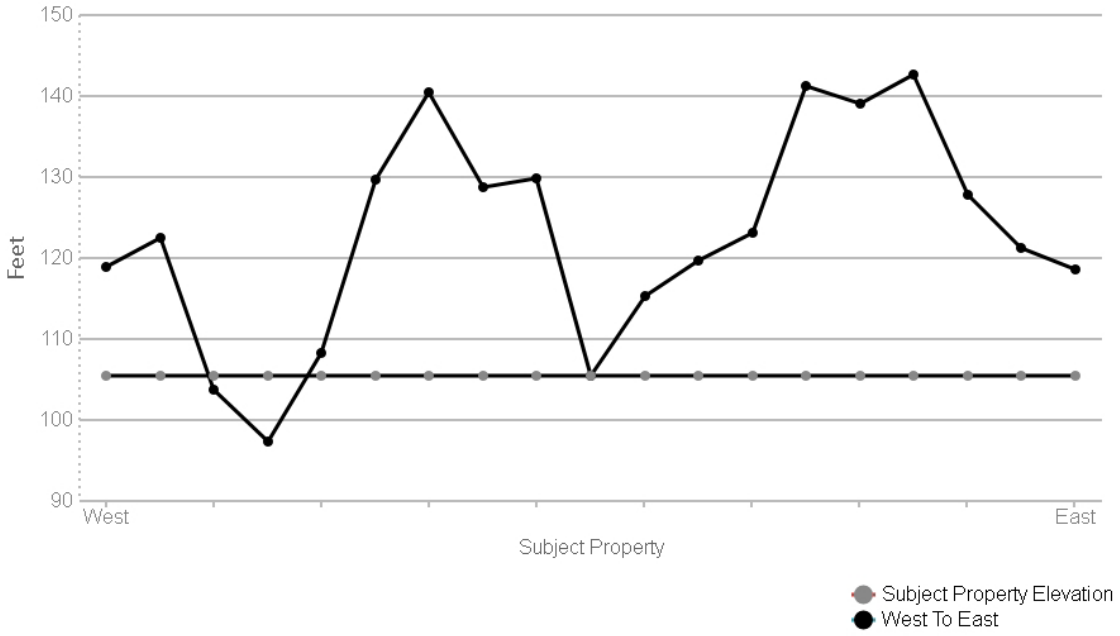
	NWI Electronic
NWI Quad at Subject Property:	Data Coverage:
Anchorage A-8 NW	Yes - refer to the Geological Findings Map

LITHOSTRATIGRAPHIC INFORMATION:

ROCK STRATIGRAPHIC UNIT:		GEOLOGIC AGE IDENTIFICATION
Era:	No available data	Category: No available data
System:	No available data	
Series:	No available data	
Code:	No available data	

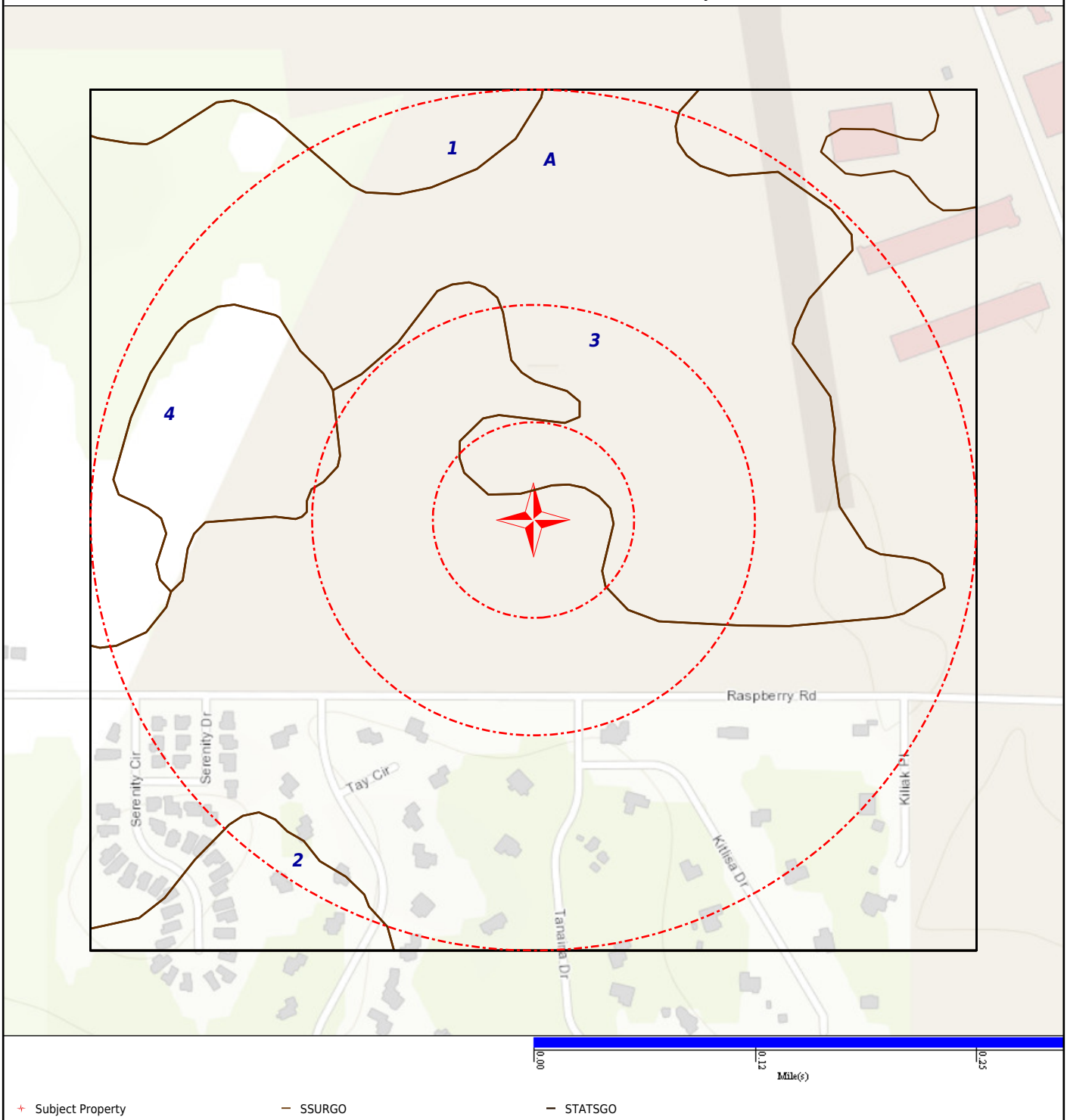
SURROUNDING ELEVATION PROFILES:





SUBJECT NAME: South Airpark
ADDRESS: Anchorage, AK, 99502
LAT/LONG: 61.160644 / -149.995691

PREPARED FOR: ChemTrack
ORDER #: 54629
REPORT DATE: May 05, 2021



SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Agency source: Soil Conservation Service, US Department of Agriculture

SOIL MAP ID 1

USDA Soil Name	Smithfha,Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-3		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	4.5-5.5
2	3-4	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
3	4-18	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	14-42	5.6-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	4-18	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
4	18-19	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
5	19-29	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
6	29-60	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil	14-42	5.6-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
6	29-60	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5

SOIL MAP ID 2

USDA Soil Name	Smithfha,Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-3		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	4.5-5.5
2	3-4	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil	14-42	5.6-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	3-4	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
3	4-18	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
4	18-19	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
5	19-29	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	14-42	5.6-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
5	19-29	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	14-42	5.6-6.5
6	29-60	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5

SOIL MAP ID 3

USDA Soil Name	Smithfha,Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	2
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-3		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and	14-42	4.5-5.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-3		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	4.5-5.5
2	3-4	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
3	4-18	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
4	18-19	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
5	19-29	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
6	29-60	Loamy very fine sand	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5

SOIL MAP ID 4

USDA Soil Name	Urban land,Miscellaneous area
USDA Soil Texture	Not Reported
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Not Reported
Hydric Classification	5
Corrosion Potential - Uncoated Steel	Not Reported

SOIL MAP ID A

USDA Soil Name	Typic Haplocryods,Taxon above family
USDA Soil Texture	Silt loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	47
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-3	Silt loam	No data	No data	4.2343-14.1143	4.5-5
2	3-10	No data	No data	No data	4.2343-14.1143	4.5-5.5
3	10-40	Sandy loam	No data	No data	42.343-141.1433	4.5-5.5
4	40-60	Sand	No data	No data	42.343-141.1433	4.5-5.5

WATER AGENCY DATA:

WATER AGENCY SEARCH DISTANCES:

DATABASE:	SEARCH DISTANCE (MILES):
NWIS	1.000
OIL & GAS WELLS - AK	1.000
PWS	1.000

DISTANCE TO NEAREST:	DISTANCE:
NWIS	0.224 mi / 1181 ft
OIL & GAS WELLS - AK	N/A
PWS	0.171 mi / 903 ft

FEDERAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
1	AK2218528	1/8 - 1/4 Mile SSE
A2	AK2210370	1/8 - 1/4 Mile SE
A3	610931149592201	1/8 - 1/4 Mile ESE
4	610933149591601 | 610933149591602 | 610933149591603	1/8 - 1/4 Mile ESE
B5	610927149593601	1/4 - 1/2 Mile S
B6	610927149593401	1/4 - 1/2 Mile S
7	610936150000801	1/4 - 1/2 Mile W
8	610927149591701	1/4 - 1/2 Mile SE
9	LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS	1/4 - 1/2 Mile E
10	TROY HANGAR | SHARED SERVICES AVIATION | AK2261567	1/4 - 1/2 Mile E
11	610924149591701	1/4 - 1/2 Mile SE

FEDERAL WATER AGENCY DATA SUMMARY: *(cont.)*

MAP ID:	WELL ID:	LOCATION FROM SP:
13	610935149584601	1/4 - 1/2 Mile E
14	610924149585501	1/4 - 1/2 Mile ESE
15	ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC	1/2 - 1 Mile ENE
17	610959149584501	1/2 - 1 Mile ENE
18	610909149595201	1/2 - 1 Mile SSW
19	610908149592701	1/2 - 1 Mile SSE
20	610907149593601	1/2 - 1 Mile S
21	610907149594301 | 610907149594302	1/2 - 1 Mile S
22	610913149585201	1/2 - 1 Mile ESE
23	610910150001301	1/2 - 1 Mile SW
25	610907150000401	1/2 - 1 Mile SW
C26	610905149595001	1/2 - 1 Mile SSW
27	610915149584301	1/2 - 1 Mile ESE
28	610904149594301 | 610904149594302	1/2 - 1 Mile S
C29	610904149595101	1/2 - 1 Mile SSW
31	610910149585001	1/2 - 1 Mile ESE
32	610901149594901	1/2 - 1 Mile SSW
33	610917149582901	1/2 - 1 Mile ESE
34	610920149582301	1/2 - 1 Mile ESE
35	610956149581601	1/2 - 1 Mile E
36	610916149582101	1/2 - 1 Mile ESE
37	610911149582901	1/2 - 1 Mile ESE
38	610958149580801	1/2 - 1 Mile ENE
39	610910149582101 | 610910149582102	1/2 - 1 Mile ESE
40	610858150002201	1/2 - 1 Mile SW
41	610949150012000	1/2 - 1 Mile W
42	15274700	1/2 - 1 Mile ESE
43	610908149591601 | 610908149591701	1/2 - 1 Mile ESE
44	610939149574901	1/2 - 1 Mile E
45	610906149581501	1/2 - 1 Mile ESE

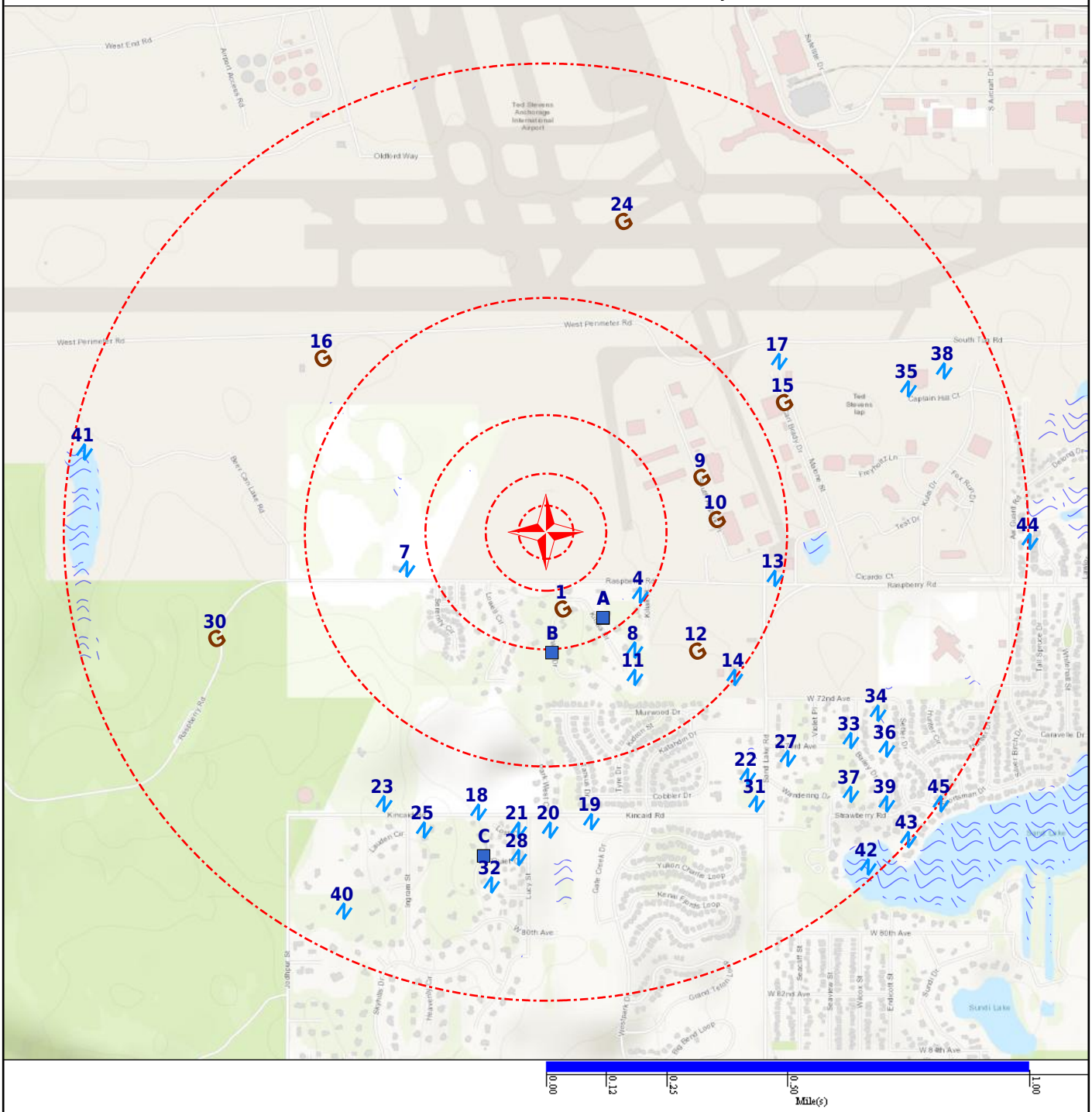
Note: PWS System location is not always the same as well location.

STATE/LOCAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
No Wells Found	N/R	N/R

SUBJECT NAME: South Airpark
ADDRESS: Anchorage, AK, 99502
LAT/LONG: 61.160644 / -149.995691

PREPARED FOR: ChemTrack
ORDER #: 54629
REPORT DATE: May 05, 2021



Subject Property
NWI
Basins (No Data)
NWIS
Geologic Cluster with Water Well
Oil & Gas Wells (No Data)
Geological Site

Map Id: 1
Direction: SSE
Distance: 0.171 mi., 904 ft.
Elevation: 140 ft.
Relative: Higher

Site Name : AK2218528
JIM RIDGEWAY 6901 TANAINA DR.
ANCHORAGE, AK 99502

Database(s) : [PWS]

Envirosite ID: 33896136
EPA ID: N/R

PWS

Facility Address :	JIM RIDGEWAY 6901 TANAINA DR., ANCHORAGE, AK 99502
PWS ID :	AK2218528
PWS Type :	Transient non-community system
PWS Name :	AWPS - TANKER TRUCK
Activity Status :	Inactive
Primary Source :	Surface water purchased
Submission Year :	2020
Submission Year Quarter :	2020Q4
Population Served Count :	10
Service Connections Count :	1
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	<=100
Submission Quarter :	4
Submission Status Code :	Y
First Reported Date :	1997-08-23
Last Reported Date :	1998-10-02
Deactivation Date :	1998-09-01
GW or SW :	Surface water
Is Grant Eligible :	N
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N/R
Primacy Agency :	Alaska
Primacy Type :	State
Org Name :	N/R
EPA Region :	Region 10
Admin Name :	AWPS - TANKER TRUCK
Owner Type :	Private
Phone Number :	907-243-0740
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	N/R
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	N
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Oct
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2021-03-25

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF]

Envirosite ID: 14169
EPA ID: N/R

PWS

Facility Address :	6920 KITLIZA DRIVE, ANCHORAGE, AK 99502
PWS ID :	AK2210370
PWS Type :	Community water system
PWS Name :	LA HONDA TC
Activity Status :	Changed from public to non-public
Primary Source :	Ground water
Submission Year :	2020
Submission Year Quarter :	2020Q4
Population Served Count :	60
Service Connections Count :	33
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	<=100
Submission Quarter :	4
Submission Status Code :	Y
First Reported Date :	1981-02-07
Last Reported Date :	2020-12-11
Deactivation Date :	2002-07-25
GW or SW :	Groundwater
Is Grant Eligible :	N
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N
Primacy Agency :	Alaska
Primacy Type :	State
Org Name :	N/R
EPA Region :	Region 10
Admin Name :	RADFORD, DEANNA
Owner Type :	Private
Phone Number :	907-248-7837
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	N/R
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	N
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jan
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2021-03-25

PWS ENF

Facility Address :	6920 KITLIZA DRIVE, ANCHORAGE, AK 99502

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Site Details

PWS ID :	AK2210370
PWS Name :	LA HONDA TC
EPA Region :	Region 10
Primacy Agency :	Alaska
PWS Type :	Community water system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Changed from public to non-public
Deactivation Date :	2002-07-25
Owner Type :	Private
Phone Number :	907-248-7837
Last Date in Agency List :	2021-04-10

Violation Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID :	N/R
Violation ID :	5805396
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	State Formal Notice of Violation issued
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5278402
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	N/R
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Sanitary Survey (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5426102
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Carbon tetrachloride
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5506494
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5425402
Submission Year :	2020
Violation First Reported Date :	2002-06-08

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Contaminant Name :	DICHLOROMETHANE
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5089500
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5427002
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	1,1-Dichloroethylene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5426502
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Styrene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5705894
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5704700
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	4562990
Submission Year :	2020
Violation First Reported Date :	1992-03-03
Contaminant Name :	Mercury
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	4563090
Submission Year :	2020
Violation First Reported Date :	1992-03-03
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	N/R
Violation ID :	5598400
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5146796
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	State Formal Notice of Violation issued
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	4562490
Submission Year :	2020
Violation First Reported Date :	1992-03-03
Contaminant Name :	Arsenic
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Arsenic
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5007999
Submission Year :	2020
Violation First Reported Date :	2001-12-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	State Other
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5047001
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5771796
Submission Year :	2020
Violation First Reported Date :	1998-09-03

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	State Formal Notice of Violation issued
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5427202
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Benzene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	4562790
Submission Year :	2020
Violation First Reported Date :	1992-03-03
Contaminant Name :	Chromium
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5425702
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Xylenes, Total
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5426402
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Tetrachloroethylene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5425502
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	1,2,4-Trichlorobenzene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5044500
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	State Other
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	9999900
Submission Year :	2020
Violation First Reported Date :	2000-02-25
Contaminant Name :	Consumer Confidence Rule
Rule Family :	Consumer Confidence Rule
Rule Group :	Other
Rule Name :	Consumer Confidence Rule
Violation Type :	Consumer Confidence Report Complete Failure to Report
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	Federal Violation/Reminder Notice
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	N/R
Violation ID :	5426202
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	CHLOROBENZENE
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5693198
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	State Other
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5427102
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Trichloroethylene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3

Map Id: A2
Direction: SE
Distance: 0.211 mi., 1116 ft.
Elevation: 142 ft.
Relative: Higher

Site Name : AK2210370
6920 KITLIZA DRIVE
ANCHORAGE, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14169
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5426602
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Ethylbenzene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	2437489
Submission Year :	2020
Violation First Reported Date :	1992-03-03
Contaminant Name :	Gross Alpha, Excl. Radon and U
Rule Family :	Radionuclides
Rule Group :	Chemicals
Rule Name :	Radionuclides
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6920 KITLIZA DRIVE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2002-07-25
Enforcement Action Description :	N/R
Admin Name :	RADFORD, DEANNA
Email Address :	N/R

Map Id: A3
Direction: ESE
Distance: 0.224 mi., 1182 ft.
Elevation: 123 ft.
Relative: Higher

Site Name : 610931149592201
61.15805839, -149.9916526
AK

Database(s) : [NWIS]

Envirosite ID: 17001657
EPA ID: N/R

NWIS

Site Identification Number :	610931149592201
Site Type :	Well
Station Name :	SB01200404DBAC1 010
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENWSES04 T012N R004W S
Name of Location Map :	ANCH A-8NW ANCH15
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	139.
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19850625
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	Quaternary System
Local Aquifer Type :	N/R
Well Depth :	160.
Hole Depth :	160.
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1985-06-25
Field Water-Level Data End Date :	1985-06-25
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15805839
Longitude :	-149.99165260
Last Date in Agency List :	11/27/2020

Map Id: 4
Direction: ESE
Distance: 0.236 mi., 1248 ft.
Elevation: 127 ft.
Relative: Higher

Site Name : 610933149591601 | 610933149591602 | 610933149591603
61.15861397, -149.9899859
AK

Database(s) : [NWIS]

Envirosite ID: 16980445
EPA ID: N/R

NWIS

Site Identification Number :	610933149591601
Site Type :	Well
Station Name :	SB01200404DBAA1 005
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENWSES04 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	120.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19651015
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	210
Hole Depth :	210
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1965-10-15
Field Water-Level Data End Date :	1965-10-15
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15861397
Longitude :	-149.98998590
Last Date in Agency List :	11/27/2020

Site Identification Number :	610933149591602
Site Type :	Well
Station Name :	SB01200404DBAA2 005
Agency :	U.S. Geological Survey
District :	Alaska

Map Id: 4
Direction: ESE
Distance: 0.236 mi., 1248 ft.
Elevation: 127 ft.
Relative: Higher

Site Name : 610933149591601 | 610933149591602 | 610933149591603
61.15861397, -149.9899859
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16980445
EPA ID: N/R

NWIS ***(cont.)***

State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENWSES04 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	120.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19660806
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	182
Hole Depth :	182
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1966-08-06
Field Water-Level Data End Date :	1966-08-06
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15861397
Longitude :	-149.98998590
Last Date in Agency List :	11/27/2020

Site Identification Number :	610933149591603
Site Type :	Well
Station Name :	SB01200404DBAA3 005
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENWSES04 T012N R004W S
Name of Location Map :	ANCHORAGE A-8NW

Map Id: 4
Direction: ESE
Distance: 0.236 mi., 1248 ft.
Elevation: 127 ft.
Relative: Higher

Site Name : 610933149591601 | 610933149591602 | 610933149591603
61.15861397, -149.9899859
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16980445
EPA ID: N/R

NWIS ***(cont.)***

Scale of Location Map :	25000
Altitude of Gage/Land Surface :	130.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19811113
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYNYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	139
Hole Depth :	140
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	61.15861397
Longitude :	-149.98998590
Last Date in Agency List :	11/27/2020

Map Id: B5
Direction: S
Distance: 0.256 mi., 1350 ft.
Elevation: 161 ft.
Relative: Higher

Site Name : 610927149593601
61.1569472, -149.9955416
AK

Database(s) : [NWIS]

Envirosite ID: 17008080
EPA ID: N/R

NWIS

Site Identification Number :	610927149593601
Site Type :	Well

Map Id: B5
Direction: S
Distance: 0.256 mi., 1350 ft.
Elevation: 161 ft.
Relative: Higher

Site Name : 610927149593601
61.1569472, -149.9955416
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17008080
EPA ID: N/R

NWIS ***(cont.)***

Station Name :	SB01200404DBCB1 006
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SWNWSES04 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	160.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19650815
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	278
Hole Depth :	278
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1965-08-15
Field Water-Level Data End Date :	1965-08-15
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15694720
Longitude :	-149.99554160
Last Date in Agency List :	11/27/2020

Map Id: B6
Direction: S
Distance: 0.257 mi., 1355 ft.
Elevation: 174 ft.
Relative: Higher

Site Name : 610927149593401
61.1569472, -149.994986
AK

Database(s) : [NWIS]

Envirosite ID: 17017109
EPA ID: N/R

NWIS

Site Identification Number :	610927149593401
Site Type :	Well
Station Name :	SB01200404DBCB2 006
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SWNWSES04 T012N R004W S
Name of Location Map :	ANCH A-8NW ANCH15
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	172.
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19870205
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYNYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	29.5
Hole Depth :	30.
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	61.15694720
Longitude :	-149.99498600
Last Date in Agency List :	11/27/2020

Map Id: 7
Direction: W
Distance: 0.303 mi., 1600 ft.
Elevation: 128 ft.
Relative: Higher

Site Name : 610936150000801
61.1594474, -150.0044317
AK

Database(s) : [NWIS]

Envirosite ID: 16982552
EPA ID: N/R

NWIS

Site Identification Number :	610936150000801
Site Type :	Well
Station Name :	SB01200404BCDD1 003
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SESWNWS04 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	125
Method Altitude Determined :	U
Altitude Accuracy :	25
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19650621
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	239
Hole Depth :	239
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1965-06-21
Field Water-Level Data End Date :	1965-06-21
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15944740
Longitude :	-150.00443170
Last Date in Agency List :	11/27/2020

Map Id: 8
Direction: SE
Distance: 0.313 mi., 1653 ft.
Elevation: 128 ft.
Relative: Higher

Site Name : 610927149591701
61.1569472, -149.9902634
AK

Database(s) : [NWIS]

Envirosite ID: 17001641
EPA ID: N/R

NWIS

Site Identification Number :	610927149591701
Site Type :	Well
Station Name :	SB01200404DBDA1 008
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SENWSES04 T012N R004W S
Name of Location Map :	ANCHORAGE A-8NW
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	130.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19820620
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	157
Hole Depth :	157
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1982-06-20
Field Water-Level Data End Date :	1982-06-20
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15694720
Longitude :	-149.99026340
Last Date in Agency List :	11/27/2020

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF]

Envirosite ID: 8760
EPA ID: N/R

PWS

Facility Address :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, AK 99502
PWS ID :	AK2218592
PWS Type :	Non-Transient non-community system
PWS Name :	LYNDEN INC.
Activity Status :	Changed from public to non-public
Primary Source :	Ground water
Submission Year :	2020
Submission Year Quarter :	2020Q4
Population Served Count :	50
Service Connections Count :	1
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	<=100
Submission Quarter :	4
Submission Status Code :	Y
First Reported Date :	1999-03-02
Last Reported Date :	2020-12-11
Deactivation Date :	2003-11-26
GW or SW :	Groundwater
Is Grant Eligible :	N
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N
Primacy Agency :	Alaska
Primacy Type :	State
Org Name :	N/R
EPA Region :	Region 10
Admin Name :	CHAMBERS, BOB
Owner Type :	Private
Phone Number :	907-245-1544
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	N/R
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	N
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jan
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2021-03-25

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF

Facility Address : 6441 SOUTH AIR PARK PLACE, ANCHORAGE, AK 99502

Site Details

PWS ID :	AK2218592
PWS Name :	LYNDEN INC.
EPA Region :	Region 10
Primacy Agency :	Alaska
PWS Type :	Non-Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Changed from public to non-public
Deactivation Date :	2003-11-26
Owner Type :	Private
Phone Number :	907-245-1544
Last Date in Agency List :	2021-04-10

Violation Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID :	N/R
Violation ID :	5834603
Submission Year :	2020
Violation First Reported Date :	2009-08-14
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2003-11-26
Enforcement Action Description :	N/R
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	102
Submission Year :	2020
Violation First Reported Date :	2009-08-14

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2003-11-26
Enforcement Action Description :	N/R
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	202
Submission Year :	2020
Violation First Reported Date :	2009-08-14
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2003-11-26
Enforcement Action Description :	N/R
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5834301
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2003-11-26
Enforcement Action Description :	N/R
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5012500
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2003-11-26
Enforcement Action Description :	State Other
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5718302
Submission Year :	2020
Violation First Reported Date :	2009-09-28
Contaminant Name :	Asbestos
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2003-11-26
Enforcement Action Description :	N/R
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	N/R
Violation ID :	5834704
Submission Year :	2020
Violation First Reported Date :	2009-08-14
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2003-11-26
Enforcement Action Description :	N/R
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	5757199
Submission Year :	2020
Violation First Reported Date :	2001-12-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2003-11-26
Enforcement Action Description :	State Other
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5187700
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	trans-1,2-Dichloroethylene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5186900
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Carbon tetrachloride
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5187000
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	CHLOROBENZENE
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Admin Name :	CHAMBERS, BOB
Email Address :	N/R
RTC Enforcement ID :	5083500
Violation ID :	5157900
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	CHLOROBENZENE
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R
RTC Enforcement ID :	5083500
Violation ID :	5157500
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	p-Dichlorobenzene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R
RTC Enforcement ID :	5083500
Violation ID :	5188100
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	1,2-Dichloroethane

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5158200
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Styrene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5186700
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	1,1,1-Trichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5157300
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	1,1,2-Trichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5187500
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	1,2-Dichloropropane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	5083500
Violation ID :	5188000
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Benzene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5159000
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	1,2-Dichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5157600
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	1,1,1-Trichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5186200
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	DICHLOROMETHANE
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5158600
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	trans-1,2-Dichloroethylene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Admin Name :	CHAMBERS, BOB
Email Address :	N/R
RTC Enforcement ID :	5083500
Violation ID :	5157800
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Carbon tetrachloride
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R
RTC Enforcement ID :	5083500
Violation ID :	5186500
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Xylenes, Total
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R
RTC Enforcement ID :	5083500
Violation ID :	5157700
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	o-Dichlorobenzene

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5157400
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Xylenes, Total
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5186400
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	1,1,2-Trichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502

Map Id: 9
Direction: E
Distance: 0.338 mi., 1785 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : LYNDEN SOUTH AIRPARK | ALASKA HOVERCRAFT VENTURES | NANA/LYNDEN LOGISTICS
6441 SOUTH AIRPARK PL | 6441 S AIRPARK PL | 6441 SOUTH AIR PARK PLACE
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 8760
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5186600
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	p-Dichlorobenzene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

RTC Enforcement ID :	5083500
Violation ID :	5158400
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	1,2-Dichloropropane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6441 SOUTH AIR PARK PLACE, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2000-03-01
Enforcement Action Description :	State Compliance achieved
Admin Name :	CHAMBERS, BOB
Email Address :	N/R

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF]

Envirosite ID: 14338
EPA ID: N/R

PWS

Facility Address :	6601 S Airpoark Pl Ste 1, ANCHORAGE, AK 99502-1815
PWS ID :	AK2261567
PWS Type :	Transient non-community system
PWS Name :	QUINNAT LANDING HOTEL
Activity Status :	Changed from public to non-public
Primary Source :	Ground water
Submission Year :	2020
Submission Year Quarter :	2020Q4
Population Served Count :	102
Service Connections Count :	4
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	101-500
Submission Quarter :	4
Submission Status Code :	Y
First Reported Date :	1988-11-29
Last Reported Date :	2020-12-11
Deactivation Date :	2012-09-04
GW or SW :	Groundwater
Is Grant Eligible :	N
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N
Primacy Agency :	Alaska
Primacy Type :	State
Org Name :	MCGUIRE, DAVID
EPA Region :	Region 10
Admin Name :	MCGUIRE, DAVID
Owner Type :	Local government
Phone Number :	907-272-6300
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	QUINNAT@ALASKA.NET
Fax Number :	907-246-6200
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	N
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jun
Season End Date :	30-Sep
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2021-03-25

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF

Facility Address : 6601 S Airpoark Pl Ste 1, ANCHORAGE, AK 99502-1815

Site Details

PWS ID :	AK2261567
PWS Name :	QUINNAT LANDING HOTEL
EPA Region :	Region 10
Primacy Agency :	Alaska
PWS Type :	Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Changed from public to non-public
Deactivation Date :	2012-09-04
Owner Type :	Local government
Phone Number :	907-272-6300
Last Date in Agency List :	2021-04-10

Violation Details

RTC Enforcement ID :	N/R
Violation ID :	5784396
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	6789197
Submission Year :	2020
Violation First Reported Date :	2001-02-24
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	6789805
Submission Year :	2020
Violation First Reported Date :	2005-08-24
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	State Violation/Reminder Notice
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	5021698
Submission Year :	2020
Violation First Reported Date :	2001-02-24
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	N/R
Violation ID :	6789203
Submission Year :	2020
Violation First Reported Date :	2002-11-27
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	6789605
Submission Year :	2020
Violation First Reported Date :	2004-11-13
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	State Violation/Reminder Notice
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	6740997
Submission Year :	2020
Violation First Reported Date :	2001-02-24
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	6790106
Submission Year :	2020
Violation First Reported Date :	2006-08-29
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	5026991
Submission Year :	2020
Violation First Reported Date :	1992-03-04
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	State Violation/Reminder Notice
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	N/R
Violation ID :	5735098
Submission Year :	2020
Violation First Reported Date :	2001-02-24
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	5843001
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	6789504
Submission Year :	2020
Violation First Reported Date :	2004-11-13
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	State Violation/Reminder Notice
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	5035497
Submission Year :	2020
Violation First Reported Date :	2001-02-24
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	102
Submission Year :	2020
Violation First Reported Date :	2002-11-27
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	N/R
Violation ID :	5823496
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	6789906
Submission Year :	2020
Violation First Reported Date :	2005-12-27
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	N/R
Violation ID :	5023702
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-09-04
Enforcement Action Description :	N/R
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	5344004
Violation ID :	6789404
Submission Year :	2020
Violation First Reported Date :	2004-02-28
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2004-03-22
Enforcement Action Description :	State Compliance achieved
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	5344004
Violation ID :	5552096
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2004-03-22
Enforcement Action Description :	State Compliance achieved
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	5344004
Violation ID :	5173799
Submission Year :	2020
Violation First Reported Date :	2001-12-08
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2004-03-22
Enforcement Action Description :	State Compliance achieved
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	5344004
Violation ID :	6789303
Submission Year :	2020
Violation First Reported Date :	2003-03-18
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2004-03-22
Enforcement Action Description :	State Compliance achieved
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	5344004
Violation ID :	5309600
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2004-03-22
Enforcement Action Description :	State Compliance achieved
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	5344304
Violation ID :	6789705
Submission Year :	2020
Violation First Reported Date :	2005-03-02
Contaminant Name :	N/R
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Sanitary Survey (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2004-01-06
Enforcement Action Description :	State Compliance achieved
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

RTC Enforcement ID :	5344907
Violation ID :	6790307
Submission Year :	2020
Violation First Reported Date :	2007-02-28
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2007-04-18
Enforcement Action Description :	State Compliance achieved
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

Map Id: 10
Direction: E
Distance: 0.352 mi., 1858 ft.
Elevation: 130 ft.
Relative: Higher

Site Name : TROY HANGAR | SHARED SERVICES AVIATION | AK2261567
6601 S AIRPARK PL | 6601 SOUTH AIRPARK PLACE SUITE A | 6601 S Airpoark Pl Ste 1
ANCHORAGE, AK

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 14338
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	5344907
Violation ID :	6790006
Submission Year :	2020
Violation First Reported Date :	2006-02-28
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6601 S Airpoark Pl Ste 1, ANCHORAGE, 99502-1815
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2007-04-18
Enforcement Action Description :	State Compliance achieved
Admin Name :	MCGUIRE, DAVID
Email Address :	QUINNAT@ALASKA.NET

Map Id: 11
Direction: SE
Distance: 0.362 mi., 1909 ft.
Elevation: 141 ft.
Relative: Higher

Site Name : 610924149591701
61.1561138, -149.9902632
AK

Database(s) : [NWIS]

Envirosite ID: 17022832
EPA ID: N/R

NWIS

Site Identification Number :	610924149591701
Site Type :	Well
Station Name :	SB01200404DBDD1 009
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SENWSES04 T012N R004W S
Name of Location Map :	ANCHORAGE A-8NW
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	140.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO

Map Id: 11
Direction: SE
Distance: 0.362 mi., 1909 ft.
Elevation: 141 ft.
Relative: Higher

Site Name : 610924149591701
61.1561138, -149.9902632
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17022832
EPA ID: N/R

NWIS ***(cont.)***

Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19820630
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	173
Hole Depth :	173
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1982-06-30
Field Water-Level Data End Date :	1982-06-30
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15611380
Longitude :	-149.99026320
Last Date in Agency List :	11/27/2020

Map Id: 12
Direction: ESE
Distance: 0.404 mi., 2131 ft.
Elevation: 161 ft.
Relative: Higher

Site Name : GEN UTIL
61.1569, 149.9864
ANCHORAGE, AK

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 23400516
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2019-09-27
Action :	Add
FAA Study Number :	2018AAL00254OE
OBS Number :	02-290346
Obstacle Type :	GEN UTIL
City Name :	ANCHORAGE
State Identifier :	AK
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Unverified
Quantity :	1
Mark Indicator :	None

Map Id: 12
Direction: ESE
Distance: 0.404 mi., 2131 ft.
Elevation: 161 ft.
Relative: Higher

Site Name : GEN UTIL
61.1569, 149.9864
ANCHORAGE, AK

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 23400516
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

Above Ground Level Height (Feet) :	00035
Above Mean Sea Level Height (Feet) :	00206
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	61 09 24.84N
Longitude :	149 59 11.04W

Map Id: 13
Direction: E
Distance: 0.479 mi., 2529 ft.
Elevation: 124 ft.
Relative: Higher

Site Name : 610935149584601
61.1591695, -149.981652
AK

Database(s) : [NWIS]

Envirosite ID: 31411174
EPA ID: N/R

NWIS

Site Identification Number :	610935149584601
Site Type :	Well
Station Name :	SB01200403BCCC1 023
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SWSWNWS03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	115.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19660720
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-other GW Files :	NYNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R

Map Id: 13
Direction: E
Distance: 0.479 mi., 2529 ft.
Elevation: 124 ft.
Relative: Higher

Site Name : 610935149584601
61.1591695, -149.981652
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 31411174
EPA ID: N/R

NWIS ***(cont.)***

Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	07/20/1966
Water-Quality Data End Date :	07/20/1966
Water-Quality Data Count :	1
Field Water-Level Data Begin Date :	--
Field Water-Level Data End Date :	--
Field Water-Level Data Count :	0
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15916950
Longitude :	-149.98165200
Last Date in Agency List :	11/27/2020

Map Id: 14
Direction: ESE
Distance: 0.496 mi., 2619 ft.
Elevation: 136 ft.
Relative: Higher

Site Name : 610924149585501
61.1561138, -149.9841516
AK

Database(s) : [NWIS]

Envirosite ID: 16992317
EPA ID: N/R

NWIS

Site Identification Number :	610924149585501
Site Type :	Well
Station Name :	SB01200404DADC1 004
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SENESES04 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	135.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Location not accurate.
Data-other GW Files :	YYNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R

Map Id: 14
Direction: ESE
Distance: 0.496 mi., 2619 ft.
Elevation: 136 ft.
Relative: Higher

Site Name : 610924149585501
61.1561138, -149.9841516
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16992317
EPA ID: N/R

NWIS ***(cont.)***

Well Depth :	154
Hole Depth :	154
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	61.15611380
Longitude :	-149.98415160
Last Date in Agency List :	11/27/2020

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF]

Envirosite ID: 1639
EPA ID: N/R

PWS

Facility Address :	6160 Carl Brady Drive, ANCHORAGE, AK 99502
PWS ID :	AK2211758
PWS Type :	Non-Transient non-community system
PWS Name :	ERA FBO
Activity Status :	Changed from public to non-public
Primary Source :	Ground water
Submission Year :	2020
Submission Year Quarter :	2020Q4
Population Served Count :	100
Service Connections Count :	1
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	<=100
Submission Quarter :	4

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ***(cont.)***

Submission Status Code :	Y
First Reported Date :	1982-01-12
Last Reported Date :	2020-12-11
Deactivation Date :	2012-08-31
GW or SW :	Groundwater
Is Grant Eligible :	N
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N
Primacy Agency :	Alaska
Primacy Type :	State
Org Name :	DANIELS, JEFF
EPA Region :	Region 10
Admin Name :	DANIELS, JEFF
Owner Type :	Private
Phone Number :	907-550-8623
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	jdaniels@erahelicopters.com
Fax Number :	907-248-1672
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	N
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jan
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2021-03-25

PWS ENF

Facility Address :	6160 Carl Brady Drive, ANCHORAGE, AK 99502

Site Details

PWS ID :	AK2211758
PWS Name :	ERA FBO
EPA Region :	Region 10
Primacy Agency :	Alaska
PWS Type :	Non-Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Changed from public to non-public
Deactivation Date :	2012-08-31
Owner Type :	Private
Phone Number :	907-550-8623

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Last Date in Agency List : 2021-04-10

Violation Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID :	N/R
Violation ID :	6703997
Submission Year :	2020
Violation First Reported Date :	1998-09-04
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	6826709
Submission Year :	2020
Violation First Reported Date :	2009-05-15
Contaminant Name :	Lead and Copper Rule
Rule Family :	Lead and Copper Rule
Rule Group :	Chemicals
Rule Name :	Lead and Copper Rule
Violation Type :	Follow-up Or Routine LCR Tap M/R
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	N/R
Violation ID :	5009000
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	State Other
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5698202
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Chromium
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5096199
Submission Year :	2020
Violation First Reported Date :	2001-12-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	6826710
Submission Year :	2020
Violation First Reported Date :	2009-08-14
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	6575897
Submission Year :	2020
Violation First Reported Date :	1998-09-04
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5697902
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Fluoride
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5010494
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	State Violation/Reminder Notice
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	6826606
Submission Year :	2020
Violation First Reported Date :	2006-05-23
Contaminant Name :	Coliform (TCR)

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5231995
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5698002
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Selenium
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5698302
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Cadmium
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5698102
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Mercury
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	N/R
Violation ID :	6823497
Submission Year :	2020
Violation First Reported Date :	1998-09-04
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	6035996
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5766898
Submission Year :	2020
Violation First Reported Date :	1998-10-06
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	4021390
Submission Year :	2020
Violation First Reported Date :	1992-03-03
Contaminant Name :	Nitrate
Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Nitrates
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5044900
Submission Year :	2020
Violation First Reported Date :	2002-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5854396
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5014597
Submission Year :	2020
Violation First Reported Date :	1998-09-04
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5698402
Submission Year :	2020
Violation First Reported Date :	2002-09-07
Contaminant Name :	Barium

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Rule Family :	Inorganic Chemicals
Rule Group :	Chemicals
Rule Name :	Inorganic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5404694
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5790999
Submission Year :	2020
Violation First Reported Date :	2001-12-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5693798
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	N/R
Violation ID :	5754099
Submission Year :	2020
Violation First Reported Date :	2001-12-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2012-08-31
Enforcement Action Description :	N/R
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	5111198
Violation ID :	5308198
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	Benzene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	1998-03-05
Enforcement Action Description :	State Compliance achieved
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	5111198
Violation ID :	5306898
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	1,1,1-Trichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	1998-03-05
Enforcement Action Description :	State Compliance achieved
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	5111198
Violation ID :	5307798
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	cis-1,2-Dichloroethylene
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular

Map Id: 15
Direction: ENE
Distance: 0.559 mi., 2953 ft.
Elevation: 125 ft.
Relative: Higher

Site Name : ERA HELICOPTERS-ANCHORAGE BASE | ANC AK HOLDINGS LLC DBA ROSS AVIATION-ANCHORAGE | ERA HELICOPTERS LLC
6160 CARL BRADY DRIVE | 6160 Carl Brady Drive;
ANCHORAGE | Anchorage, AK 99502

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 1639
EPA ID: N/R

PWS ENF ***(cont.)***

Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	1998-03-05
Enforcement Action Description :	State Compliance achieved
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

RTC Enforcement ID :	5111198
Violation ID :	5306598
Submission Year :	2020
Violation First Reported Date :	1998-09-03
Contaminant Name :	1,1,2-Trichloroethane
Rule Family :	Volatile Organic Chemicals
Rule Group :	Chemicals
Rule Name :	Volatile Organic Chemicals
Violation Type :	Monitoring, Regular
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	6160 Carl Brady Drive, ANCHORAGE, 99502
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	1998-03-05
Enforcement Action Description :	State Compliance achieved
Admin Name :	DANIELS, JEFF
Email Address :	jdaniels@erahelicopters.com

Map Id: 16
Direction: WNW
Distance: 0.590 mi., 3117 ft.
Elevation: 99 ft.
Relative: Lower

Site Name : POLE
61.16595, 150.009575
ANCHORAGE, AK

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 11819
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2013-08-14
Action :	Add
FAA Study Number :	N/R
OBS Number :	02-020723
Obstacle Type :	POLE

Map Id: 16
Direction: WNW
Distance: 0.590 mi., 3117 ft.
Elevation: 99 ft.
Relative: Lower

Site Name : POLE
61.16595, 150.009575
ANCHORAGE, AK

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 11819
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

City Name :	ANCHORAGE
State Identifier :	AK
Country Identifier :	USA
Type of Lighting :	Unknown
Verification Status :	Verified
Quantity :	1
Mark Indicator :	Unknown
Above Ground Level Height (Feet) :	00035
Above Mean Sea Level Height (Feet) :	00129
Horizontal Accuracy :	+-20'
Vertical Accuracy :	+-3'
Latitude :	61 09 57.42N
Longitude :	150 00 34.47W

Map Id: 17
Direction: ENE
Distance: 0.597 mi., 3152 ft.
Elevation: 121 ft.
Relative: Higher

Site Name : 610959149584501
61.1658365, -149.9813755
AK

Database(s) : [NWIS]

Envirosite ID: 31399159
EPA ID: N/R

NWIS

Site Identification Number :	610959149584501
Site Type :	Well
Station Name :	SB01200403BBBB1 026
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NWNWNWS03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	110.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19490301
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R

Map Id: 17
Direction: ENE
Distance: 0.597 mi., 3152 ft.
Elevation: 121 ft.
Relative: Higher

Site Name : 610959149584501
61.1658365, -149.9813755
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 31399159
EPA ID: N/R

NWIS ***(cont.)***

Well Depth :	155
Hole Depth :	155
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1950-10-01
Field Water-Level Data End Date :	1950-10-01
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.16583650
Longitude :	-149.98137550
Last Date in Agency List :	11/27/2020

Map Id: 18
Direction: SSW
Distance: 0.618 mi., 3262 ft.
Elevation: 202 ft.
Relative: Higher

Site Name : 610909149595201
61.15194699, -149.9999854
AK

Database(s) : [NWIS]

Envirosite ID: 17022815
EPA ID: N/R

NWIS

Site Identification Number :	610909149595201
Site Type :	Well
Station Name :	SB01200409BAAB1 025
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENENWS09 T012N R004W S
Name of Location Map :	ANCH A-8NW ANCH15
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	148.
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	198404
Date Site Established or Inventoried:	N/R

Map Id: 18
Direction: SSW
Distance: 0.618 mi., 3262 ft.
Elevation: 202 ft.
Relative: Higher

Site Name : 610909149595201
61.15194699, -149.9999854
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17022815
EPA ID: N/R

NWIS ***(cont.)***

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	Quaternary System
Local Aquifer Type :	N/R
Well Depth :	287.
Hole Depth :	287.
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	61.15194699
Longitude :	-149.99998540
Last Date in Agency List :	11/27/2020

Map Id: 19
Direction: SSE
Distance: 0.626 mi., 3308 ft.
Elevation: 158 ft.
Relative: Higher

Site Name : 610908149592701
61.15166917, -149.9930403
AK

Database(s) : [NWIS]

Envirosite ID: 16992308
EPA ID: N/R

NWIS

Site Identification Number :	610908149592701
Site Type :	Well
Station Name :	SB01200409ABBA1 006
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NWNWENS09 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	180.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929

Map Id: 19
Direction: SSE
Distance: 0.626 mi., 3308 ft.
Elevation: 158 ft.
Relative: Higher

Site Name : 610908149592701
61.15166917, -149.9930403
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16992308
EPA ID: N/R

NWIS ***(cont.)***

Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	165
Hole Depth :	165
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	12/01/1952
Water-Quality Data End Date :	01/18/1955
Water-Quality Data Count :	2
Field Water-Level Data Begin Date :	--
Field Water-Level Data End Date :	--
Field Water-Level Data Count :	0
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15166917
Longitude :	-149.99304030
Last Date in Agency List :	11/27/2020

Map Id: 20
Direction: S
Distance: 0.639 mi., 3376 ft.
Elevation: 101 ft.
Relative: Lower

Site Name : 610907149593601
61.15139138, -149.9955405
AK

Database(s) : [NWIS]

Envirosite ID: 17008084
EPA ID: N/R

NWIS

Site Identification Number :	610907149593601
Site Type :	Well
Station Name :	SB01200409ABBB1 014
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA

Map Id: 20
Direction: S
Distance: 0.639 mi., 3376 ft.
Elevation: 101 ft.
Relative: Lower

Site Name : 610907149593601
61.15139138, -149.9955405
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17008084
EPA ID: N/R

NWIS ***(cont.)***

Land Net Location :	NWNWNES09 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	150.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19730926
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Location not accurate.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	154
Hole Depth :	171
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1973-09-30
Field Water-Level Data End Date :	1973-09-30
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15139138
Longitude :	-149.99554050
Last Date in Agency List :	11/27/2020

Map Id: 21
Direction: S
Distance: 0.642 mi., 3391 ft.
Elevation: 169 ft.
Relative: Higher

Site Name : 610907149594301 | 610907149594302
61.15139139, -149.997485
AK

Database(s) : [NWIS]

Envirosite ID: 16997036
EPA ID: N/R

NWIS

Site Identification Number :	610907149594302

Map Id: 21
Direction: S
Distance: 0.642 mi., 3391 ft.
Elevation: 169 ft.
Relative: Higher

Site Name : 610907149594301 | 610907149594302
61.15139139, -149.997485
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16997036
EPA ID: N/R

NWIS ***(cont.)***

Site Type :	Well
Station Name :	SB01200409BAAA2 013
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENENWS09 T012N R004W S
Name of Location Map :	ANCHORAGE A-8NW
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	150.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19820819
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	180
Hole Depth :	180
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1982-08-19
Field Water-Level Data End Date :	1982-08-19
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15139139
Longitude :	-149.99748500
Last Date in Agency List :	11/27/2020

Site Identification Number :	610907149594301
Site Type :	Well
Station Name :	SB01200409BAAA1 013
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage

Map Id: 21
Direction: S
Distance: 0.642 mi., 3391 ft.
Elevation: 169 ft.
Relative: Higher

Site Name : 610907149594301 | 610907149594302
61.15139139, -149.997485
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16997036
EPA ID: N/R

NWIS ***(cont.)***

Country :	USA
Land Net Location :	NENENWS09 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	155.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19701215
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Location not accurate.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	148
Hole Depth :	148
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1970-12-15
Field Water-Level Data End Date :	1970-12-15
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15139139
Longitude :	-149.99748500
Last Date in Agency List :	11/27/2020

Map Id: 22
Direction: ESE
Distance: 0.667 mi., 3522 ft.
Elevation: 117 ft.
Relative: Higher

Site Name : 610913149585201
61.15305808, -149.9833177
AK

Database(s) : [NWIS]

Envirosite ID: 17017091
EPA ID: N/R

NWIS

Site Identification Number :	610913149585201
Site Type :	Well
Station Name :	SB01200404DDDA1 001
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SESESES04 T012N R004N S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	109.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19480101
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	96.0
Hole Depth :	96.0
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	11/19/1952
Water-Quality Data End Date :	01/18/1955
Water-Quality Data Count :	2
Field Water-Level Data Begin Date :	1948-11-01
Field Water-Level Data End Date :	1948-11-01
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15305808
Longitude :	-149.98331770
Last Date in Agency List :	11/27/2020

Map Id: 23
Direction: SW
Distance: 0.673 mi., 3552 ft.
Elevation: 190 ft.
Relative: Higher

Site Name : 610910150001301
61.1522248, -150.0058192
AK

Database(s) : [NWIS]

Envirosite ID: 17017087
EPA ID: N/R

NWIS

Site Identification Number :	610910150001301
Site Type :	Well
Station Name :	SB01200404CCDD1 002
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SESWSWS04 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	185.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19520101
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	285
Hole Depth :	285
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	11/19/1952
Water-Quality Data End Date :	01/18/1955
Water-Quality Data Count :	2
Field Water-Level Data Begin Date :	--
Field Water-Level Data End Date :	--
Field Water-Level Data Count :	0
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15222480
Longitude :	-150.00581920
Last Date in Agency List :	11/27/2020

Map Id: 24
Direction: NNE
Distance: 0.675 mi., 3566 ft.
Elevation: 108 ft.
Relative: Higher

Site Name : SIGN
61.17015, 149.990975
ANCHORAGE, AK

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 10505
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2013-08-14
Action :	Add
FAA Study Number :	N/R
OBS Number :	02-020528
Obstacle Type :	SIGN
City Name :	ANCHORAGE
State Identifier :	AK
Country Identifier :	USA
Type of Lighting :	Unknown
Verification Status :	Verified
Quantity :	1
Mark Indicator :	Unknown
Above Ground Level Height (Feet) :	00009
Above Mean Sea Level Height (Feet) :	00116
Horizontal Accuracy :	+-20'
Vertical Accuracy :	+-3'
Latitude :	61 10 12.54N
Longitude :	149 59 27.51W

Map Id: 25
Direction: SW
Distance: 0.688 mi., 3633 ft.
Elevation: 184 ft.
Relative: Higher

Site Name : 610907150000401
61.1513914, -150.0033188
AK

Database(s) : [NWIS]

Envirosite ID: 16992301
EPA ID: N/R

NWIS

Site Identification Number :	610907150000401
Site Type :	Well
Station Name :	SB01200409BABB1 022
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NWNENWS09 T012N R004W S
Name of Location Map :	TYONEK A-1 NE
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	197.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19790823
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R

Map Id: 25
Direction: SW
Distance: 0.688 mi., 3633 ft.
Elevation: 184 ft.
Relative: Higher

Site Name : 610907150000401
61.1513914, -150.0033188
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16992301
EPA ID: N/R

NWIS ***(cont.)***

Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	306
Hole Depth :	306
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1979-08-23
Field Water-Level Data End Date :	1979-08-23
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15139140
Longitude :	-150.00331880
Last Date in Agency List :	11/27/2020

Map Id: C26
Direction: SSW
Distance: 0.689 mi., 3639 ft.
Elevation: 199 ft.
Relative: Higher

Site Name : 610905149595001
61.1508358, -149.9994295
AK

Database(s) : [NWIS]

Envirosite ID: 31447099
EPA ID: N/R

NWIS

Site Identification Number :	610905149595001
Site Type :	Well
Station Name :	SB01200409BAAC2 012
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENENWS09 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	180.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R

Map Id: C26
Direction: SSW
Distance: 0.689 mi., 3639 ft.
Elevation: 199 ft.
Relative: Higher

Site Name : 610905149595001
61.1508358, -149.9994295
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 31447099
EPA ID: N/R

NWIS ***(cont.)***

Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19780927
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	192
Hole Depth :	192
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	61.15083580
Longitude :	-149.99942950
Last Date in Agency List :	11/27/2020

Map Id: 27
Direction: ESE
Distance: 0.694 mi., 3665 ft.
Elevation: 117 ft.
Relative: Higher

Site Name : 610915149584301
61.1536137, -149.9808176
AK

Database(s) : [NWIS]

Envirosite ID: 17001611
EPA ID: N/R

NWIS

Site Identification Number :	610915149584301
Site Type :	Well
Station Name :	SB01200403CCCB1 025
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SWSWSWS03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY

Map Id: 27
Direction: ESE
Distance: 0.694 mi., 3665 ft.
Elevation: 117 ft.
Relative: Higher

Site Name : 610915149584301
61.1536137, -149.9808176
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17001611
EPA ID: N/R

NWIS ***(cont.)***

Scale of Location Map :	24000
Altitude of Gage/Land Surface :	125.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19781023
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	125
Hole Depth :	125
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1978-10-23
Field Water-Level Data End Date :	1978-10-23
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15361370
Longitude :	-149.98081760
Last Date in Agency List :	11/27/2020

Map Id: 28
Direction: S
Distance: 0.699 mi., 3694 ft.
Elevation: 158 ft.
Relative: Higher

Site Name : 610904149594301 | 610904149594302
61.150558, -149.9974849
AK

Database(s) : [NWIS]

Envirosite ID: 16992294
EPA ID: N/R

NWIS

Site Identification Number :	610904149594301
Site Type :	Well
Station Name :	SB01200409BAAD1 019

Map Id: 28
Direction: S
Distance: 0.699 mi., 3694 ft.
Elevation: 158 ft.
Relative: Higher

Site Name : 610904149594301 | 610904149594302
61.150558, -149.9974849
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16992294
EPA ID: N/R

NWIS ***(cont.)***

Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENENWS09 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	160.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19740805
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	193
Hole Depth :	195
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1974-08-05
Field Water-Level Data End Date :	1974-08-05
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15055800
Longitude :	-149.99748490
Last Date in Agency List :	11/27/2020

Site Identification Number :	610904149594302
Site Type :	Well
Station Name :	SB01200409BAAD2 019
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENENWS09 T012N R004W S

Map Id: 28
Direction: S
Distance: 0.699 mi., 3694 ft.
Elevation: 158 ft.
Relative: Higher

Site Name : 610904149594301 | 610904149594302
61.150558, -149.9974849
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16992294
EPA ID: N/R

NWIS ***(cont.)***

Name of Location Map :	ANCHORAGE A-8NW
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	164.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19820813
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	141
Hole Depth :	141
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1982-08-13
Field Water-Level Data End Date :	1982-08-13
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15055800
Longitude :	-149.99748490
Last Date in Agency List :	11/27/2020

Map Id: C29
Direction: SSW
Distance: 0.710 mi., 3747 ft.
Elevation: 187 ft.
Relative: Higher

Site Name : 610904149595101
61.150558, -149.9997073
AK

Database(s) : [NWIS]

Envirosite ID: 17002152
EPA ID: N/R

NWIS

Site Identification Number :	610904149595101
Site Type :	Well

Map Id: C29
Direction: SSW
Distance: 0.710 mi., 3747 ft.
Elevation: 187 ft.
Relative: Higher

Site Name : 610904149595101
61.150558, -149.9997073
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17002152
EPA ID: N/R

NWIS ***(cont.)***

Station Name :	SB01200409BAAC1 012
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NENENWS09 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	180.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	12
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19781025
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	183
Hole Depth :	183
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1978-10-25
Field Water-Level Data End Date :	1978-10-25
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15055800
Longitude :	-149.99970730
Last Date in Agency List :	11/27/2020

Map Id: 30
Direction: W
Distance: 0.722 mi., 3810 ft.
Elevation: 178 ft.
Relative: Higher

Site Name : N/R
61.1573, -150.0162
AK

Database(s) : [EPICENTERS]

Envirosite ID: 36786068
EPA ID: N/R

EPICENTERS

Updated Date :	2020-11-07
Time :	02:06:55
ID Number :	ak0209f2eezu
Status :	reviewed
Type :	earthquake
Depth :	14.6
Magnitude :	2.9
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	ak
NST :	N/R
Gap :	N/R
DMIN :	N/R
RMS :	0.89
Net :	ak
Horizontal Error :	N/R
Depth Error :	0.1
Location Source :	ak
Latitude :	61.1573
Longitude :	-150.0162
Last Date in Agency List :	2021-01-07

Map Id: 31
Direction: ESE
Distance: 0.724 mi., 3823 ft.
Elevation: 136 ft.
Relative: Higher

Site Name : 610910149585001
61.1522247, -149.9827619
AK

Database(s) : [NWIS]

Envirosite ID: 17001605
EPA ID: N/R

NWIS

Site Identification Number :	610910149585001
Site Type :	Well
Station Name :	SB01200404DDDD1 007
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SESESES04 T012N R004W S
Name of Location Map :	ANCHORAGE A-8NW
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	139.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Map Id: 31
Direction: ESE
Distance: 0.724 mi., 3823 ft.
Elevation: 136 ft.
Relative: Higher

Site Name : 610910149585001
61.1522247, -149.9827619
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17001605
EPA ID: N/R

NWIS ***(cont.)***

Date of First Construction :	19771201
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	112
Hole Depth :	112
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1977-12-01
Field Water-Level Data End Date :	1977-12-01
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15222470
Longitude :	-149.98276190
Last Date in Agency List :	11/27/2020

Map Id: 32
Direction: SSW
Distance: 0.763 mi., 4030 ft.
Elevation: 194 ft.
Relative: Higher

Site Name : 610901149594901
61.1497246, -149.9991515
AK

Database(s) : [NWIS]

Envirosite ID: 17022810
EPA ID: N/R

NWIS

Site Identification Number :	610901149594901
Site Type :	Well
Station Name :	SB01200409BADB1 016
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SENENWS09 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	205.00
Method Altitude Determined :	Interpolated from topographic map.

Map Id: 32
Direction: SSW
Distance: 0.763 mi., 4030 ft.
Elevation: 194 ft.
Relative: Higher

Site Name : 610901149594901
61.1497246, -149.9991515
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17022810
EPA ID: N/R

NWIS ***(cont.)***

Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19750522
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	225
Hole Depth :	226
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1975-05-22
Field Water-Level Data End Date :	1975-05-22
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.14972460
Longitude :	-149.99915150
Last Date in Agency List :	11/27/2020

Map Id: 33
Direction: ESE
Distance: 0.769 mi., 4060 ft.
Elevation: 117 ft.
Relative: Higher

Site Name : 610917149582901
61.1541692, -149.9769285
AK

Database(s) : [NWIS]

Envirosite ID: 17008090
EPA ID: N/R

NWIS

Site Identification Number :	610917149582901
Site Type :	Well
Station Name :	SB01200403CCAC1 029
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK

Map Id: 33
Direction: ESE
Distance: 0.769 mi., 4060 ft.
Elevation: 117 ft.
Relative: Higher

Site Name : 610917149582901
61.1541692, -149.9769285
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17008090
EPA ID: N/R

NWIS ***(cont.)***

County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NESWSWS03 T012N R004W S
Name of Location Map :	ANCHORAGE A-8NW
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	98.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19790101
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	125
Hole Depth :	125
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1979-01-01
Field Water-Level Data End Date :	1979-01-01
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15416920
Longitude :	-149.97692850
Last Date in Agency List :	11/27/2020

Map Id: 34
Direction: ESE
Distance: 0.785 mi., 4143 ft.
Elevation: 115 ft.
Relative: Higher

Site Name : 610920149582301
61.15500259, -149.9752618
AK

Database(s) : [NWIS]

Envirosite ID: 16977550
EPA ID: N/R

NWIS

Site Identification Number :	610920149582301
Site Type :	Well
Station Name :	SB01200403CCAA1 030
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NESWSWS03 T012N R004W S
Name of Location Map :	ANCHORAGE A-8NW
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	98.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19781205
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	98.8
Hole Depth :	99.0
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1978-12-05
Field Water-Level Data End Date :	1978-12-05
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15500259
Longitude :	-149.97526180
Last Date in Agency List :	11/27/2020

Map Id: 35
Direction: E
Distance: 0.804 mi., 4246 ft.
Elevation: 112 ft.
Relative: Higher

Site Name : 610956149581601
61.165003, -149.973319
AK

Database(s) : [NWIS]

Envirosite ID: 16997106
EPA ID: N/R

NWIS

Site Identification Number :	610956149581601
Site Type :	Well
Station Name :	SB01200403BABC1 003
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NWNENWS03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	109.5
Method Altitude Determined :	U
Altitude Accuracy :	0.1
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19630701
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	287
Hole Depth :	287
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	04/21/1969
Water-Quality Data End Date :	04/21/1969
Water-Quality Data Count :	1
Field Water-Level Data Begin Date :	1963-08-24
Field Water-Level Data End Date :	1963-08-24
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.16500300
Longitude :	-149.97331900
Last Date in Agency List :	11/27/2020

Map Id: 36
Direction: ESE
Distance: 0.841 mi., 4440 ft.
Elevation: 113 ft.
Relative: Higher

Site Name : 610916149582101
61.1538914, -149.974706
AK

Database(s) : [NWIS]

Envirosite ID: 17017092
EPA ID: N/R

NWIS

Site Identification Number :	610916149582101
Site Type :	Well
Station Name :	SB01200403CCDA1 013
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SESWSWS03 T012N R004W S
Name of Location Map :	ANCH A-8NW ANCH15
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	90.
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19810604
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNYNN
National Aquifer :	N/R
Local Aquifer :	Quaternary System
Local Aquifer Type :	N/R
Well Depth :	138.
Hole Depth :	138.
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	61.15389140
Longitude :	-149.97470600
Last Date in Agency List :	11/27/2020

Map Id: 37
Direction: ESE
Distance: 0.841 mi., 4442 ft.
Elevation: 123 ft.
Relative: Higher

Site Name : 610911149582901
61.15250247, -149.9769282
AK

Database(s) : [NWIS]

Envirosite ID: 16998442
EPA ID: N/R

NWIS

Site Identification Number :	610911149582901
Site Type :	Well
Station Name :	SB01200403CCDC1 027
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SESWSWS03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	115.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19791008
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	199
Hole Depth :	200
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1979-10-08
Field Water-Level Data End Date :	1979-10-08
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15250247
Longitude :	-149.97692820
Last Date in Agency List :	11/27/2020

Map Id: 38
Direction: ENE
Distance: 0.887 mi., 4685 ft.
Elevation: 111 ft.
Relative: Higher

Site Name : 610958149580801
61.1655586, -149.9710967
AK

Database(s) : [NWIS]

Envirosite ID: 16982677
EPA ID: N/R

NWIS

Site Identification Number :	610958149580801
Site Type :	Well
Station Name :	SB01200403BABD1 001
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NWNENWS03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	106.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19540501
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYYYNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	268
Hole Depth :	270
Source of Depth Data :	N/R
Project Number :	ANCHWL
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1954-05-01
Field Water-Level Data End Date :	1990-10-16
Field Water-Level Data Count :	148
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.16555860
Longitude :	-149.97109670
Last Date in Agency List :	11/27/2020

Map Id: 39
Direction: ESE
Distance: 0.910 mi., 4804 ft.
Elevation: 111 ft.
Relative: Higher

Site Name : 610910149582101 | 610910149582102
61.15222467, -149.9747057
AK

Database(s) : [NWIS]

Envirosite ID: 17002174
EPA ID: N/R

NWIS

Site Identification Number :	610910149582101
Site Type :	Well
Station Name :	SB01200403CCDD1 017
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SESWSWS03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	105.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19660721
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	178
Hole Depth :	178
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1966-07-21
Field Water-Level Data End Date :	1966-07-21
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15222467
Longitude :	-149.97470570
Last Date in Agency List :	11/27/2020

Site Identification Number :	610910149582102
Site Type :	Well
Station Name :	SB01200403CCDD2 017
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK

Map Id: 39
Direction: ESE
Distance: 0.910 mi., 4804 ft.
Elevation: 111 ft.
Relative: Higher

Site Name : 610910149582101 | 610910149582102
61.15222467, -149.9747057
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 17002174
EPA ID: N/R

NWIS ***(cont.)***

County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SESWSWS03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	102.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19660901
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	174
Hole Depth :	174
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1966-09-01
Field Water-Level Data End Date :	1966-09-01
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15222467
Longitude :	-149.97470570
Last Date in Agency List :	11/27/2020

Map Id: 40
Direction: SW
Distance: 0.915 mi., 4830 ft.
Elevation: 233 ft.
Relative: Higher

Site Name : 610858150002201
61.14889136, -150.0083188
AK

Database(s) : [NWIS]

Envirosite ID: 16980239
EPA ID: N/R

NWIS

Site Identification Number :	610858150002201
Site Type :	Well
Station Name :	SB01200409BBCD1 020
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SWNWNWS09 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	230.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19740616
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	278
Hole Depth :	280
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1974-06-16
Field Water-Level Data End Date :	1974-06-16
Field Water-Level Data Count :	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.14889136
Longitude :	-150.00831880
Last Date in Agency List :	11/27/2020

Map Id: 41
Direction: W
Distance: 0.972 mi., 5134 ft.
Elevation: 76 ft.
Relative: Lower

Site Name : 610949150012000
61.1630589, -150.024434
AK

Database(s) : [NWIS]

Envirosite ID: 17001716
EPA ID: N/R

NWIS

Site Identification Number :	610949150012000
Site Type :	Lake, Reservoir, Impoundment
Station Name :	L CAMPBELL LK AT ANCHORAGE AK
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	N/R
Method Altitude Determined :	N/R
Altitude Accuracy :	N/R
Altitude Datum :	N/R
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	N/R
Data-other GW Files :	NNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	10/18/1973
Water-Quality Data End Date :	10/07/1975
Water-Quality Data Count :	8
Field Water-Level Data Begin Date :	--
Field Water-Level Data End Date :	--
Field Water-Level Data Count :	0
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.16305890
Longitude :	-150.02443400
Last Date in Agency List :	11/27/2020

Map Id: 42
Direction: ESE
Distance: 0.976 mi., 5151 ft.
Elevation: 89 ft.
Relative: Lower

Site Name : 15274700
61.1502801, -149.9758166
AK

Database(s) : [NWIS]

Envirosite ID: 16957716
EPA ID: N/R

NWIS

Site Identification Number :	15274700
Site Type :	Lake, Reservoir, Impoundment
Station Name :	SAND LK NR SPENARD AK
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	N/R
Method Altitude Determined :	N/R
Altitude Accuracy :	N/R
Altitude Datum :	N/R
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	N/R
Data-other GW Files :	NNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	05/24/1967
Water-Quality Data End Date :	10/07/1975
Water-Quality Data Count :	28
Field Water-Level Data Begin Date :	--
Field Water-Level Data End Date :	--
Field Water-Level Data Count :	0
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15028010
Longitude :	-149.97581660
Last Date in Agency List :	11/27/2020

Map Id: 43
Direction: ESE
Distance: 0.995 mi., 5253 ft.
Elevation: 100 ft.
Relative: Lower

Site Name : 610908149591601 | 610908149591701
61.1511135, -149.9733165
AK

Database(s) : [NWIS]

Envirosite ID: 16997038
EPA ID: N/R

NWIS

Site Identification Number :	610908149591701
Site Type :	Well
Station Name :	SB01200410BABB1 024
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NWNENWS10 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	104.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-other GW Files :	YYNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	100
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1970-09-11
Field Water-Level Data End Date :	1974-10-26
Field Water-Level Data Count :	8
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15111350
Longitude :	-149.97331650
Last Date in Agency List :	11/27/2020

Site Identification Number :	610908149591601
Site Type :	Well
Station Name :	SB01200410BABB2 024
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK

Map Id: 43
Direction: ESE
Distance: 0.995 mi., 5253 ft.
Elevation: 100 ft.
Relative: Lower

Site Name : 610908149591601 | 610908149591701
61.1511135, -149.9733165
AK

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 16997038
EPA ID: N/R

NWIS ***(cont.)***

County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	NWNENWS10 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	106.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19701018
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYYYNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	240
Hole Depth :	250
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1971-04-23
Field Water-Level Data End Date :	1974-10-26
Field Water-Level Data Count :	9
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15111350
Longitude :	-149.97331650
Last Date in Agency List :	11/27/2020

Map Id: 44
Direction: E
Distance: 0.996 mi., 5259 ft.
Elevation: 106 ft.
Relative: Lower

Site Name : 610939149574901
61.1602806, -149.9658175
AK

Database(s) : [NWIS]

Envirosite ID: 16998470
EPA ID: N/R

NWIS

Site Identification Number :	610939149574901
Site Type :	Well
Station Name :	SB01200403ACCB1 024
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SWSWNES03 T012N R004W S
Name of Location Map :	ANCHORAGE & VICINITY
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	103.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Undulating
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19651004
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-other GW Files :	YYNYNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	205
Hole Depth :	205
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	61.16028060
Longitude :	-149.96581750
Last Date in Agency List :	11/27/2020

Map Id: 45
Direction: ESE
Distance: 0.998 mi., 5269 ft.
Elevation: 102 ft.
Relative: Lower

Site Name : 610906149581501
61.1522247, -149.971372
AK

Database(s) : [NWIS]

Envirosite ID: 17017084
EPA ID: N/R

NWIS

Site Identification Number :	610906149581501
Site Type :	Well
Station Name :	SB01200403CDCD1 018
Agency :	U.S. Geological Survey
District :	Alaska
State :	AK
County :	Municipality Of Anchorage
Country :	USA
Land Net Location :	SWSESWS03 T012N R004W S
Name of Location Map :	ANCHORAGE A-8NW
Scale of Location Map :	25000
Altitude of Gage/Land Surface :	94.57
Method Altitude Determined :	Level or other surveyed method.
Altitude Accuracy :	.01
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Anchorage
Drainage Basin :	N/R
Topographic Setting :	Flat surface
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19700915
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	29.0
Hole Depth :	29.0
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1970-09-16
Field Water-Level Data End Date :	1972-07-07
Field Water-Level Data Count :	6
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	61.15222470
Longitude :	-149.97137200
Last Date in Agency List :	11/27/2020

RADON DATA:

STATE SOURCE: No Available Data

FEDERAL AREA RADON INFORMATION FOR: 99502

NUMBER OF SAMPLE SITES: 26

Area:	Average Activity:	% <4 pCi/L:	% 4-20 pCi/L:	% >20 pCi/L:
basement	0.9067 pCi/L	93.33%	6.67%	0%
first floor	0.39 pCi/L	100%	0%	0%
unknown	0.9 pCi/L	100%	0%	0%

FEDERAL EPA RADON ZONE FOR: No Available Data

HIST PWS ENF
Historical Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
List of Safe Drinking Water Information Systems (SDWIS) with enforcement violations that are no longer in current agency list.

NWIS
National Water Information Systems
United States Geological Society
(703) 648-5953
Information on all water resources for the United States. This database contains all current and historical data for the nation.

PWS
Public Water Supply
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems

PWS ENF
Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems with enforcememnt violations

FLOOD Q3
Flood data
Environmental Protection Agency
(202) 566-1667
Q3 Flood Data

HYDROLOGIC UNIT
Hydrologic Unit Maps
USGS
The United States Geological Survey created a hierarchical system of hydrologic units originally called regions, sub-regions, accounting units, and cataloging units. Each unit was assigned a unique Hydrologic Unit Code (HUC). As first implemented the system had 21 regions, 221 subregions, 378 accounting units, and 2,264 cataloging units. Over time the system was changed and expanded. As of 2010 there are six levels in the hierarchy, represented by hydrologic unit codes from 2 to 12 digits long, called regions, subregions, basins, subbasins, watersheds, and subwatersheds. The table below describes the system's hydrologic unit levels and their characteristics, along with example names and codes.

WETLANDS NWI
National Wetland Inventory
U.S. Fish and Wildlife Service
(703) 358-2171
Wetland Inventory for the United States

SSURGO
Detailed Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
Detailed Soil Data Map

STATSGO & MUI
General Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
General Soil Data Map

USGS GEOLOGIC AGE
USGS Digital Data Series DDS
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
USGS Digital Data Series DDS: Geologic Age and Rock Stratigraphic Unit

OIL & GAS WELLS - AK
Oil and Gas Wells
Alaska Oil & Gas Conservation Commission
907.269.8769
Oil and Gas well location

RADON
National Radon Database
USGS
703-605-6008
A study of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

AIRPORT FACILITIES
Airport landing facilities
Federal Aviation Administration
(866) 835-5322
Airport landing facilities

BASINS
Better Assessment Science Integrating point & Non-point Sources
U.S. Environmental Protection Agency
855-246-3642
Integrated geographical information system national watershed data and environmental assessment known as Better Assessment Science Integrating point & Non-point Sources

DIGITAL OBSTACLE
Obstacles of interest to aviation users
Federal Aviation Administration
855-379-6518
The Digital Obstacle File describes all known obstacles of interest to aviation users in the U.S. with limited coverage of the Pacific the Caribbean Canada and Mexico. The obstacles are assigned unique numerical identifiers; accuracy codes and listed in order of ascending latitude within each state or area by FAA Region.

EPICENTERS
National Geographical Data Center
National Geographical Data Center
303-497-6826
List of recent and historic earthquakes and information.

FLOOD DFIRM
National Flood Hazard Layer Database
Federal Emergency Management Agency
The National Flood Hazard Layer Database (NFHL) is a computer database that contains the flood hazard map information from FEMAs Flood Map Modernization program. These map data are from Digital Flood Insurance Rate Map (DFIRM) databases and Letters of Map Revision.

Final

PFAS Site Environmental Investigation Report
South Airpark, Anchorage, Alaska

October 2021

Prepared for:
MCG Explore Design

Submitted By:
ChemTrack Alaska, Inc.

An 8(a) Alaskan Woman Owned Small Business -Serving Our Clients Since 1973

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Attachments

Attachment 1: Figure - Figure 1 Project Site and Soil Sample Locations

Attachment 2: Photographic Log

Attachment 3: Sample Summary and Notes

Attachment 4: Analytical Data Package

Attachment 5: Chemical Data Review and ADEC Checklist

Attachment 6: Soil Sample GPS Coordinates

ACRONYMS AND ABBREVIATIONS

18 AAC 75.....Title 18 Alaska Administrative Code Chapter 75
AAC.....Alaska Administrative Code
ADEC .....Alaska Department of Environmental Conservation
bgs .....below ground surface
°C .....degrees Celsius
COC .....chain-of-custody record
ChemTrack. ...ChemTrack Alaska, Inc.
DL .....detection limit
FSG.....Field Sampling Guidance
GPS .....Global Positioning System
mg/kg .....milligram per kilogram
PFOA .....perfluorooctanoic acid
PFOS .....perfluoro octane sulfonate
PM .....Project Manager
PPE .....Personal Protective Equipment
QC.....Quality Control
SGS .....SGS Environmental Services, Inc.
µg/kg .....microgram per kilogram

1. INTRODUCTION

This report summarizes the Perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) Site Environmental Investigation activities conducted by ChemTrack's at the South Airpark property located at the Anchorage International Airport, in Anchorage, Alaska. This document details the fieldwork, equipment, methods, results, and findings of the environmental sampling performed for this project.

2. PROJECT LOCATION AND DESCRIPTION

The subject property is located at Lot 15 Block 23 in Section 4 of Township 12 North, Range 4 West, Seward Meridian at Anchorage International Airport, Anchorage, AK 99502 (Figure 1). The property consists primarily of undeveloped vegetated acreage with no structures between the airport property to the north and Raspberry Road to the south. The northeast corner has a cleared area adjacent to an existing taxiway with airplanes currently parked on it. Access to the property is restricted and only available from the airport side of the fence. No pits, ponds, or lagoons are present. Several small buildings of a radio facility are located near the southwest corner of the property.

3. SCOPE OF WORK AND PROJECT OBJECTIVES

The scope of work included surface soil sample collection for PFOA/PFOS laboratory analysis and evaluation of the results against current Alaska Department of Environmental Conservation (ADEC) cleanup criteria.

4. REGULATORY FRAMEWORK

The regulatory framework for this project was developed under consideration of the following regulations and guidance documents:

- ADEC, *Field Sampling Guidance* (FSG), (ADEC 2019)
- 18 Alaska Administrative Code (AAC) 75, ADEC Oil and Other Hazardous Substances Pollution Control, (ADEC 2021)
- ADEC, *Site Characterization Work Plan and Reporting Guidance (ADEC 2017)*.

Sampling will be conducted by an ADEC Qualified Environmental Professional, as defined in 18 AAC 75.333.

Analytical soil sample were evaluated against the ADEC Method Two Migration to Groundwater (MGW) Soil Cleanup Levels for the Under 40 Inch Zone (18 AAC 75, 2021) presented in Table 1 along with the project analytical laboratory limits.

Table 1

Analytical Group	Analyte	CAS Number	Project Screening Level[1] (mg/kg)	Project Limit of Quantitation Goal[2] (mg/kg)	Achievable Laboratory Limits[3]		
					DLs (mg/kg)	LODs (mg/kg)	LOQs (mg/kg)
PFOA/PFOSs	PFOA	335-67-1	0.0017	0.0005	0.000165	0.00033	0.0005
PFOA/PFOSs	PFOS	1763-23-1	0.003	0.0005	0.000165	0.00033	0.0005

[1]Criteria are those listed in ADEC 18 AAC 75.341, Tables B1 and B2, lowest of Under 40 Inch Zone, Migration to Groundwater or Human Health for the Under 40 Inch Zone (ADEC, 2021).

[2]Project LOQ Goals are either within the acceptable range or directly from the applicable validated method.

[3]Achievable DLs, LODs, and LOQs are SGS laboratory limits. All are within analytical method specifications.

5. SITE ACCESS

Site access was coordinated through the MCG Project Manager and Anchorage Airport Operations. Airport Operations provided access through airport security gates for vehicle access where feasible. Access to most of the proposed surface soil sample locations was on foot. Global Positioning System (GPS) coordinates for the proposed surface soil sampling locations were used to guide the field crew to the selected location.

6. SOIL SAMPLING ACTIVITIES

Soil samples were collected at the locations presented on Figure 1 (Attachment 1). Sample location B2 was sampled slightly to the west of the proposed location due to GPS error however, the sample location is representative of conditions in the area. Sample location C3 was also adjusted as the proposed location was on the other side of a fence line and Airport Operations did not have a key to provide access through the adjacent gate. The adjusted location is representative of conditions in the area.

Small holes were hand excavated with a shovel to a depth of 6 to16 inches below ground surface (bgs) for soil sample collection. The presence of tree roots and the recycled asphalt pavement (RAP) limited the digging and sample depth in several locations. The shovel was decontaminated between sample locations using a spray bottle with Alconox detergent and deionized water for rinsing to prevent cross contamination. New stainless-steel spoons were used for sample collection at each location. Once sampling and documentation activities were complete, each hole was backfilled, and the sod cap replaced if present. A photographic log of sampling activities is presented in Attachment 2. Table 1 in Attachment 3 presents the project sample summary table with sample collection notes.

Additional precautions were taken to minimize the risk of potential sample contamination during sample collection and management. Care was taken to eliminate any sample contact with known PFOA/PFOS containing material such as markers, field notebooks, or Teflon and the field team did not wear rain gear or Gore-Tex clothing. PFOA/PFOS samples were bagged as soon as

possible after collection and placed in an iced cooler. The cooler remained in the custody of the field team until it was delivered to SGS North America, Inc, in Anchorage, an ADEC approved analytical laboratory. SGS Anchorage shipped the cooler to their out of state laboratory in Orlando Florida for analysis by EPA method 537 PFAS 24 Compounds.

7. INVESTIGATIVE DERIVED WASTE

The investigation-derived waste (IDW) generated during the soil removal effort consisted of disposable sampling materials including used nitrile gloves, sample spoons and decontamination paper towels. The IDW was bagged and taped shut and placed in a solid waste receptacle and was properly disposed of at the local municipal landfill.

8. INVESTIGATION RESULTS

The following sections present the analytical soil sample results as well as the Data Quality Assessment (DQA) and the ADEC Laboratory Checklist for the SGS work order.

8.1 ANALYTICAL RESULTS

A total of nine primary and one duplicate soil samples were collected and analyzed by SGS for PFAS compounds. The laboratory analytical report is presented in Attachment 4. Soil samples 21-SAP-SO-A1-1.5, 21-SAP-SO-A2-0.5, 21-SAP-SO-B2-0.5, 21-SAP-SO-B3-0.5 21-SAP-SO-C1-1.0 had detections for select PFAS compounds however, the results were J flagged by the laboratory indicating the values are estimated. All sample results for the regulated PFOA/PFOS compounds Perfluorooctanoic acid and perfluorooctane sulfonate acid was below ADEC cleanup criteria.

8.2 DATA QUALITY REVIEW

Sustainable Earth Research LLC provided a Data Quality Assessment (DQA) based on a Level 2 laboratory report and the ADEC Laboratory Checklist (ADEC 2019) for the two laboratory work orders. The DQA for the SGS work order is presented in full in Attachment 5 and is summarized below.

The samples were analyzed by SGS North America Inc. (Orlando, FL), an ADEC accepted laboratory. The analytical report was delivered under work order 12115854/FA88809, Client Project “South Air Park”. Ten soil samples were listed on the workorder including one field duplicate. A case narrative was submitted together with laboratory results. The case narrative indicates QC failures for surrogate recovery in three samples due to dilution requirement. A second run after dilution yielded recovery within QC limits. No sample had compound concentrations above cleanup levels and no analysis was rejected. The work order is 100% completed.

9. CONCLUSIONS

Surface soil samples were collected from nine preselected locations at the site to determine the presence/absence of PFOA/PFOS compounds. Several samples had detections for select PFOA/PFOS compounds however, the detections were J flagged by the laboratory as the results were outside the instrument calibration range and therefore estimated. None of the samples had detections for the two ADEC regulated PFOA/PFOS compounds above cleanup criteria. Surface sampling results indicate PFOA/PFOS contamination is not widespread at the Site and likely not present in concentrations that exceed ADEC criteria.

10. RECOMMENDATIONS

Surface sampling results indicate PFOA/PFOS contamination is not widespread at the site however, evaluation of subsurface soils is recommended due to the highly mobile characteristics of the chemicals. The area of specific concern is along the western edge of the Site which is adjacent to the airport fire training area. Investigation for the presence/absence of PFOA/PFOS compounds in subsurface soil is recommended for this area to characterize soil prior to excavation and offsite transport during site construction activities.

11. REFERENCES

ADEC, (2017). Site Characterization Work Plan and Reporting Guidance for Investigation of Contaminated Sites. March 01, 2017.

ADEC, (2019). Field Sampling Guidance For Contaminated Sites and Leaking Underground Storage Tank Sites. October 22, 2019.

ADEC. (2021). 18 AAC 75 Oil and Other Hazardous Substances Pollution Control. June 24, 2021

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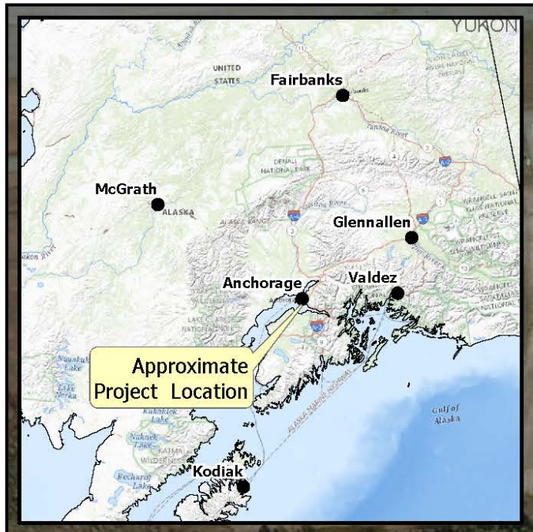
ATTACHMENT 1 – FIGURE



A1
B1
C1
A2
B2
C2
A3
B3
C3
Existing Taxiway 'Z'
RASPBERRY RD
PFOA/PFAS Surface Soil Sample Locations

ChemTrack
11711 SOUTH GAMBELL
ANCHORAGE, ALASKA 99515
(907) 349-2511

DRAWN BY:	FP
CHECKED BY:	HLH
PLOT SCALE:	Barscale
DATE OF PLOT:	05OCT2021
PROJECT NO:	6402

PROJECT:

South Airpark, Anchorage, AK

N

0 150 300 ft

0 50 100 m

CLIENT:

MCG EXPLORE DESIGN

SHEET CONTENTS:

PFOA/PFAS Site Investigation

FIGURE NO:

1of1

D:\D_GIS\Projects\6402 South Airpark\APRX\6402 South Airpark.aprx

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ATTACHMENT 2 – PHOTOGRAPHIC LOG

Photo 1: A1 surface soil sample collection

Photo 2: A1 surface soil sample location close view

Photo 3: A2 surface soil sample location

Photo 4: A2 surface soil sample location close view

Photo 5: A3 surface soil sample collection

Photo 6: A3 surface soil sample location close view

Photo 7: B1 surface soil sample collection

Photo 8: B2 surface soil sample collection

Photo 9: B2 surface soil sample location close view

Photo 10: B3 surface soil sample location

Photo 11: B3 surface soil sample location close view

Photo 12: C1 surface soil sample collection

Photo 13: C1 surface soil sample location close view

Photo 14: C2 surface soil sample collection

Photo 15: C2 surface soil sample location close view

Photo 16: C3 surface soil sample collection

Photo 17: C3 surface soil sample location close view

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ATTACHMENT 3 – SAMPLE SUMMARY AND NOTES

09/08/2021 Anchorage South Airpark Surface Soil PFOA/PFAS Site Investigation Sample Notes

Location ID	Sample ID	Time	Sample Depth (ft)	Laboratory Analysis	Notes
A1	21-SAP-SO-A1-1.5	958	1.5	PFAS/PFOA - EPA 537.1	Mowed grass, undisturbed native soil lithology: surface organics (0-8"), gray ash/silt (8-10"), brown silt/loam (>12")
A2	21-SAP-SO-A2-0.5	1028	0.5	PFAS/PFOA - EPA 537.1	Woods, spruce forest, undisturbed native soil lithology: surface organics, gray ash/silt/loam (0-6"), depth refusal in roots
A3	21-SAP-SO-A3-0.5	1043	0.5	PFAS/PFOA - EPA 537.1	Field w/ spruce trees behind radio facility, likely native soil lithology: brown silt/loam (0-6"), depth refusal in roots
B1	21-SAP-SO-B1-1.0	942	1	PFAS/PFOA - EPA 537.1	Mowed grass, undisturbed native soil lithology: surface organics (0-8"), gray ash/silt (8-10"), brown silt/loam (>12")
B2	21-SAP-SO-B2-0.5	1119	0.5	PFAS/PFOA - EPA 537.1	Woods, cottonwood & spruce trees, undisturbed native soil lithology: gray ash/silt/loam (0-6"), depth refusal in roots
B3	21-SAP-SO-B3-0.5	1103	0.5	PFAS/PFOA - EPA 537.1	Woods, birch & spruce trees, undisturbed native soil lithology: brown silt/loam (0-6"), depth refusal in roots
C1	21-SAP-SO-C1-1.0	1227	1	PFAS/PFOA - EPA 537.1	Snow dump area, wet, moderately brown silt/loam (likely mixed native material), (0-12")
C2	21-SAP-SO-C2-0.5	1246	0.5	PFAS/PFOA - EPA 537.1	Gravel parking lot, recycled asphault pavement (RAP), refusal @ 6"
C3	21-SAP-SO-C3-1.0	1258	1	PFAS/PFOA - EPA 537.1	Along gravel parking lot southern perimeter fenceline, likely disturbed, moderatedly brown silty soil/loam (0-12")
	21-SAP-SO-C39-1.0	1302	1	PFAS/PFOA - EPA 537.1	Duplicate sample

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ATTACHMENT 4 – ANALYTICAL DATA PACKAGE

Laboratory Report of Analysis

To: ChemTrack
11711 S Gambell St
Anchorage, AK 99515
(907)250-9337

Report Number: **1215854**

Client Project: **South Air Park**

Dear Forrest Janukajtis,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of ten years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of fourteen (14) days from the date of this report unless other archiving requirements were included in the quote.

If there are any questions about the report or services performed during this project, please call Justin at (907) 562-2343. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

_____

Justin Nelson Date
Project Manager
Justin.Nelson@sgs.com

SGS North America Inc. 200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Member of SGS Group

Case Narrative

SGS Client: **ChemTrack**
SGS Project: **1215854**
Project Name/Site: **South Air Park**
Project Contact: **Forrest Janukajtis**

Refer to sample receipt form for information on sample condition.

21-SAP-SO-B1-1.0 (1215854001) PS

EPA 537 PFAS- 24 Compounds were analyzed by SGS of Orlando, FL.

*QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Print Date: 09/29/2021 4:54:10PM

Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
21-SAP-SO-B1-1.0	1215854001	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-A1-1.5	1215854002	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-A2-0.5	1215854003	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-A3-0.5	1215854004	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-B3-0.5	1215854005	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-B2-0.5	1215854006	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-C1-1.0	1215854007	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-C2-0.5	1215854008	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-C3-1.0	1215854009	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)
21-SAP-SO-C39-1.0	1215854010	09/08/2021	09/08/2021	Solid/Soil (Wet Weight)

Method	Method Description

SGS North America Inc.
200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Member of SGS Group

SGS

SGS North America Inc.
CHAIN OF CUSTODY RECORD

1215854

p# 373966 AD

Instructions: Sections 1 - 5 must be filled out.
Omissions may delay the onset of analysis.

Section 1

CLIENT: ChemTrack

CONTACT: Forrest Jankajtis — PHONE #: 907-250-9337

PROJECT NAME: South Air Park — PROJECT/ PWSID/ PERMIT#:

REPORTS TO: forrest@chemtrack.net — E-MAIL: — Profile #:

INVOICE TO: Lori@chemtrack.net — QUOTE #: — P.O. #:

Section 2

	RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Comp Grab MI (Multi-incremental)	Preservative	Analysis* EPA 537.1										NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS	REMARKS/LOC ID
1	A	21-SAP-SO-B1-1.0	09/08/21	09:42	Sol	1	G		X											PFAS
2	A	21-SAP-SO-A1-1.5	"	09:58	↓	1	G		X											↓
3	A	21-SAP-SO-A2-0.5	"	10:28		1	G		X											
4	A	21-SAP-SO-A3-0.5	"	10:43		1	G		X											
5	A	21-SAP-SO-B3-0.5	"	11:03		1	G		X											
6	A	21-SAP-SO-B2-0.5	"	11:19		1	G		X											
7	A	21-SAP-SO-C1-1.0	"	12:27		1	G		X											
8	A	21-SAP-SO-C2-0.5	"	12:46		1	G		X											
9	A	21-SAP-SO-C3-1.0	"	12:58		1	G		X											↓
10	A	21-SAP-SO-C39-1.0	"	13:02		1	G		X											

Section 5

	Date	Time	Received By:
Relinquished By: (1) Forrest Jankajtis	9/8/2021	1419	
Relinquished By: (2)			
Relinquished By: (3)			
Relinquished By: (4)	9/8/21	1455	Received For Laboratory By: MA

Section 4

DOD Project? Yes (No)

Data Deliverable Requirements: Level 2

Cooler ID: SAP #1

Requested Turnaround Time and/or Special Instructions:
10 Day
samples may be hot!!!

Temp Blank °C: 5.4 D63 or Ambient [ ]

Chain of Custody Seal: (Circle) 2F
(INTACT) BROKEN ABSENT

Delivery Method: Hand Delivery [ ] Commerical Delivery [ ]

http://www.sgs.com/terms-and-conditions

SGS

e-Sample Receipt Form

SGS Workorder #: 1215854

Review Criteria	Condition (Yes, No, N/A)	Exceptions Noted below
Chain of Custody / Temperature Requirements		N/A Exemption permitted if sampler hand carries/delivers.
Were Custody Seals intact? Note # & location	Yes	2F
COC accompanied samples?	Yes	
DOD: Were samples received in COC corresponding coolers?	N/A	
N/A **Exemption permitted if chilled & collected <8 hours ago, or for samples where chilling is not required		
Temperature blank compliant* (i.e., 0-6 °C after CF)?	Yes	Cooler ID: SAP01 @ 5.4 °C Therm. ID: D63
If samples received without a temperature blank, the "cooler temperature" will be documented instead & "COOLER TEMP" will be noted to the right. "ambient" or "chilled" will be noted if neither is available.		Cooler ID: @ °C Therm. ID:
		Cooler ID: @ °C Therm. ID:
		Cooler ID: @ °C Therm. ID:
		Cooler ID: @ °C Therm. ID:
If >6°C, were samples collected <8 hours ago?	N/A	
If <0°C, were sample containers ice free?	N/A	
Note: Identify containers received at non-compliant temperature . Use form FS-0029 if more space is needed.		
Holding Time / Documentation / Sample Condition Requirements		Note: Refer to form F-083 "Sample Guide" for specific holding times.
Were samples received within holding time?	Yes	
Do samples **match COC**** (i.e.,sample IDs,dates/times collected)?	Yes	
**Note: If times differ <1hr, record details & login per COC.		
***Note: If sample information on containers differs from COC, SGS will default to COC information		
Were analytical requests clear? (i.e., method is specified for analyses with multiple option for analysis (Ex: BTEX, Metals)	Yes	
		N/A ***Exemption permitted for metals (e.g,200.8/6020B).
Were proper containers (type/mass/volume/preservative***)used?	Yes	
Volatile / LL-Hg Requirements		
Were Trip Blanks (i.e., VOAs, LL-Hg) in cooler with samples?	N/A	
Were all water VOA vials free of headspace (i.e., bubbles ≤ 6mm)?	N/A	
Were all soil VOAs field extracted with MeOH+BFB?	N/A	

Note to Client: Any "No", answer above indicates non-compliance with standard procedures and may impact data quality.

Additional notes (if applicable):

Sample Containers and Preservatives

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1215854001-A	No Preservative Required	OK			
1215854002-A	No Preservative Required	OK			
1215854003-A	No Preservative Required	OK			
1215854004-A	No Preservative Required	OK			
1215854005-A	No Preservative Required	OK			
1215854006-A	No Preservative Required	OK			
1215854007-A	No Preservative Required	OK			
1215854008-A	No Preservative Required	OK			
1215854009-A	No Preservative Required	OK			
1215854010-A	No Preservative Required	OK			

Container Condition Glossary

Containers for bacteriological, low level mercury and VOA vials are not opened prior to analysis and will be assigned condition code OK unless evidence indicates than an inappropriate container was submitted.

OK - The container was received at an acceptable pH for the analysis requested.
BU - The container was received with headspace greater than 6mm.
DM - The container was received damaged.
FR - The container was received frozen and not usable for Bacteria or BOD analyses.
IC - The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.
NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.
PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
QN - Insufficient sample quantity provided.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SGS North America, Inc

1215854

SGS Job Number: FA88809

Sampling Date: 09/08/21

Report to:

SGS North America, Inc
200 W Potter Dr
Anchorage, AK 99518
julie.shumway@sgs.com

ATTN: Julie Shumway

Total number of pages in report: 50

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

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Sample Summary

SGS North America, Inc

1215854

Job No: FA88809

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88809-1	09/08/21	09:42		09/10/21	SO	Soil	21-SAP-SO-B1-1.0
FA88809-2	09/08/21	09:58		09/10/21	SO	Soil	21-SAP-SO-A1-1.5
FA88809-3	09/08/21	10:28		09/10/21	SO	Soil	21-SAP-SO-A2-0.5
FA88809-4	09/08/21	10:43		09/10/21	SO	Soil	21-SAP-SO-A3-0.5
FA88809-5	09/08/21	11:03		09/10/21	SO	Soil	21-SAP-SO-B3-0.5
FA88809-6	09/08/21	11:19		09/10/21	SO	Soil	21-SAP-SO-B2-0.5
FA88809-7	09/08/21	12:27		09/10/21	SO	Soil	21-SAP-SO-C1-1.0
FA88809-8	09/08/21	12:46		09/10/21	SO	Soil	21-SAP-SO-C2-0.5
FA88809-9	09/08/21	12:58		09/10/21	SO	Soil	21-SAP-SO-C3-1.0
FA88809-10	09/08/21	13:02		09/10/21	SO	Soil	21-SAP-SO-C39-1.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: SGS North America, Inc **Job No:** FA88809

Site: 1215854 **Report Date:** 9/29/2021 2:51:44

On 09/10/2021, 10 Sample(s) were received at SGS North America Inc. at a maximum corrected temperature of 2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88809 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP87348

Sample(s) FA88809-1MS, FA88809-1MSD were used as the QC samples indicated.

Sample(s) FA88809-10, FA88809-6, FA88809-8 have surrogates outside control limits.

FA88809-6 for 13C2-PFDoDA: Outside control limits.

FA88809-6 for 13C6-PFDA: Outside control limits.

FA88809-6 for 13C9-PFNA: Outside control limits.

FA88809-6: Dilution required due to matrix interference (ID recovery standard failure).

FA88809-8 for 13C2-PFDoDA: Outside control limits.

FA88809-8 for 13C2-PFTeDA: Outside control limits.

FA88809-8: Dilution required due to matrix interference (ID recovery standard failure).

FA88809-10 for 13C2-PFDoDA: Outside control limits.

FA88809-10 for 13C6-PFDA: Outside control limits.

FA88809-10 for 13C9-PFNA: Outside control limits.

FA88809-10: Dilution required due to matrix interference (ID recovery standard failure).

Matrix: SO **Batch ID:** OP87533

Sample(s) FA89092-10MS, FA89092-10MSD were used as the QC samples indicated.

General Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN89191

Sample(s) FA88809-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN89192

Sample(s) FA88809-7DUP were used as the QC samples for Solids, Percent.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA88809
Account: SGS North America, Inc
Project: 1215854
Collected: 09/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88809-1	**21-SAP-SO-B1-1.0**					
No hits reported in this sample.						
FA88809-2	**21-SAP-SO-A1-1.5**					
Perfluorooctanesulfonic acid		0.0012 J	0.0013	0.00066	mg/kg	EPA 537M BY ID
FA88809-3	**21-SAP-SO-A2-0.5**					
Perfluorooctanoic acid		0.00033 J	0.0013	0.00065	mg/kg	EPA 537M BY ID
Perfluorooctanesulfonic acid		0.00066 J	0.0013	0.00065	mg/kg	EPA 537M BY ID
FA88809-4	**21-SAP-SO-A3-0.5**					
No hits reported in this sample.						
FA88809-5	**21-SAP-SO-B3-0.5**					
Perfluorooctanesulfonic acid		0.00044 J	0.0013	0.00066	mg/kg	EPA 537M BY ID
FA88809-6	**21-SAP-SO-B2-0.5**					
Perfluorooctanoic acid		0.00068 J	0.0014	0.00071	mg/kg	EPA 537M BY ID
Perfluorohexanesulfonic acid		0.00046 J	0.0014	0.00071	mg/kg	EPA 537M BY ID
Perfluorooctanesulfonic acid		0.0012 J	0.0014	0.00071	mg/kg	EPA 537M BY ID
FA88809-7	**21-SAP-SO-C1-1.0**					
Perfluorooctanoic acid		0.00056 J	0.0013	0.00064	mg/kg	EPA 537M BY ID
Perfluorononanoic acid		0.00050 J	0.0013	0.00064	mg/kg	EPA 537M BY ID
Perfluorodecanoic acid		0.00077 J	0.0013	0.00064	mg/kg	EPA 537M BY ID
Perfluorooctanesulfonic acid		0.00053 J	0.0013	0.00064	mg/kg	EPA 537M BY ID
FA88809-8	**21-SAP-SO-C2-0.5**					
No hits reported in this sample.						
FA88809-9	**21-SAP-SO-C3-1.0**					
No hits reported in this sample.						
FA88809-10	**21-SAP-SO-C39-1.0**					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	21-SAP-SO-B1-1.0		
Lab Sample ID:	FA88809-1	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	79.1
Project:	1215854		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q19187.D	1	09/24/21 15:05	MRE	09/18/21 07:00	OP87348	S4Q269
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00063 U	0.0013	0.00063	0.00048	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
375-95-1	Perfluorononanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00063 U	0.0013	0.00063	0.00034	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0013 U	0.0032	0.0013	0.00063	mg/kg	
2991-50-6	EtFOSAA	0.0013 U	0.0032	0.0013	0.00063	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00063 U	0.0013	0.00063	0.00032	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00063 U	0.0013	0.00063	0.00032	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-B1-1.0		
Lab Sample ID:	FA88809-1	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	79.1
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00063 U	0.0013	0.00063	0.00032	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	63%		40-140%
	13C5-PFPeA	64%		50-150%
	13C5-PFHxA	65%		50-150%
	13C4-PFHpA	66%		50-150%
	13C8-PFOA	67%		50-150%
	13C9-PFNA	69%		50-150%
	13C6-PFDA	73%		50-150%
	13C7-PFUnDA	77%		40-140%
	13C2-PFDoDA	65%		40-140%
	13C2-PFTeDA	61%		30-130%
	13C3-PFBS	69%		50-150%
	13C3-PFHxS	70%		50-150%
	13C8-PFOS	72%		50-150%
	13C8-FOSA	72%		30-130%
	d3-MeFOSAA	47%		40-140%
	d5-EtFOSAA	55%		40-140%
	13C2-4:2FTS	63%		50-150%
	13C2-6:2FTS	67%		50-150%
	13C2-8:2FTS	73%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 21-SAP-SO-A1-1.5
Lab Sample ID: FA88809-2
Matrix: SO - Soil
Method: EPA 537M BY ID EPA 537 MOD
Project: 1215854

Date Sampled: 09/08/21
Date Received: 09/10/21
Percent Solids: 75.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q19190.D	1	09/24/21 15:52	MRE	09/18/21 07:00	OP87348	S4Q269
Run #2							

	Initial Weight	Final Volume
Run #1	2.02 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00066 U	0.0013	0.00066	0.00050	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
375-95-1	Perfluorononanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00066 U	0.0013	0.00066	0.00035	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0012	0.0013	0.00066	0.00033	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0013 U	0.0033	0.0013	0.00066	mg/kg	
2991-50-6	EtFOSAA	0.0013 U	0.0033	0.0013	0.00066	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00066 U	0.0013	0.00066	0.00033	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-A1-1.5		
Lab Sample ID:	FA88809-2	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	75.0
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00066 U	0.0013	0.00066	0.00033	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	57%		40-140%
	13C5-PFPeA	59%		50-150%
	13C5-PFHxA	59%		50-150%
	13C4-PFHpA	60%		50-150%
	13C8-PFOA	61%		50-150%
	13C9-PFNA	50%		50-150%
	13C6-PFDA	57%		50-150%
	13C7-PFUnDA	61%		40-140%
	13C2-PFDoDA	50%		40-140%
	13C2-PFTeDA	48%		30-130%
	13C3-PFBS	62%		50-150%
	13C3-PFHxS	62%		50-150%
	13C8-PFOS	55%		50-150%
	13C8-FOSA	58%		30-130%
	d3-MeFOSAA	42%		40-140%
	d5-EtFOSAA	47%		40-140%
	13C2-4:2FTS	57%		50-150%
	13C2-6:2FTS	62%		50-150%
	13C2-8:2FTS	62%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 21-SAP-SO-A2-0.5
Lab Sample ID: FA88809-3
Matrix: SO - Soil
Method: EPA 537M BY ID EPA 537 MOD
Project: 1215854

Date Sampled: 09/08/21
Date Received: 09/10/21
Percent Solids: 77.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q19191.D	1	09/24/21 16:07	MRE	09/18/21 07:00	OP87348	S4Q269
Run #2							

	Initial Weight	Final Volume
Run #1	1.99 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00065 U	0.0013	0.00065	0.00050	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00033	0.0013	0.00065	0.00033	mg/kg	J
375-95-1	Perfluorononanoic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00065 U	0.0013	0.00065	0.00035	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00066	0.0013	0.00065	0.00033	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0013 U	0.0033	0.0013	0.00065	mg/kg	
2991-50-6	EtFOSAA	0.0013 U	0.0033	0.0013	0.00065	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00065 U	0.0013	0.00065	0.00033	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00065 U	0.0013	0.00065	0.00033	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 21-SAP-SO-A2-0.5
Lab Sample ID: FA88809-3
Matrix: SO - Soil
Method: EPA 537M BY ID EPA 537 MOD
Project: 1215854

Date Sampled: 09/08/21
Date Received: 09/10/21
Percent Solids: 77.1

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00065 U	0.0013	0.00065	0.00033	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	61%		40-140%
	13C5-PFPeA	63%		50-150%
	13C5-PFHxA	62%		50-150%
	13C4-PFHpA	63%		50-150%
	13C8-PFOA	63%		50-150%
	13C9-PFNA	60%		50-150%
	13C6-PFDA	59%		50-150%
	13C7-PFUnDA	59%		40-140%
	13C2-PFDoDA	49%		40-140%
	13C2-PFTeDA	50%		30-130%
	13C3-PFBS	70%		50-150%
	13C3-PFHxS	68%		50-150%
	13C8-PFOS	69%		50-150%
	13C8-FOSA	66%		30-130%
	d3-MeFOSAA	66%		40-140%
	d5-EtFOSAA	63%		40-140%
	13C2-4:2FTS	65%		50-150%
	13C2-6:2FTS	70%		50-150%
	13C2-8:2FTS	72%		50-150%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-A3-0.5		
Lab Sample ID:	FA88809-4	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	82.9
Project:	1215854		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Q45828.D	1	09/28/21 21:17	MV	09/28/21 07:00	OP87533	S3Q658
Run #2							

	Initial Weight	Final Volume
Run #1	2.01 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00060 U	0.0012	0.00060	0.00046	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
375-95-1	Perfluorononanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00060 U	0.0012	0.00060	0.00032	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0012 U	0.0030	0.0012	0.00060	mg/kg	
2991-50-6	EtFOSAA	0.0012 U	0.0030	0.0012	0.00060	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00060 U	0.0012	0.00060	0.00030	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00060 U	0.0012	0.00060	0.00030	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-A3-0.5		
Lab Sample ID:	FA88809-4	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	82.9
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00060 U	0.0012	0.00060	0.00030	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	73%		40-140%
	13C5-PFPeA	70%		50-150%
	13C5-PFHxA	74%		50-150%
	13C4-PFHpA	77%		50-150%
	13C8-PFOA	78%		50-150%
	13C9-PFNA	78%		50-150%
	13C6-PFDA	82%		50-150%
	13C7-PFUnDA	84%		40-140%
	13C2-PFDoDA	83%		40-140%
	13C2-PFTeDA	77%		30-130%
	13C3-PFBS	80%		50-150%
	13C3-PFHxS	82%		50-150%
	13C8-PFOS	82%		50-150%
	13C8-FOSA	81%		30-130%
	d3-MeFOSAA	63%		40-140%
	d5-EtFOSAA	68%		40-140%
	13C2-4:2FTS	73%		50-150%
	13C2-6:2FTS	79%		50-150%
	13C2-8:2FTS	86%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-B3-0.5		
Lab Sample ID:	FA88809-5	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	74.9
Project:	1215854		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Q45829.D	1	09/28/21 21:34	MV	09/28/21 07:00	OP87533	S3Q658
Run #2							

	Initial Weight	Final Volume
Run #1	2.02 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00066 U	0.0013	0.00066	0.00050	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
375-95-1	Perfluorononanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00066 U	0.0013	0.00066	0.00035	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00044	0.0013	0.00066	0.00033	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0013 U	0.0033	0.0013	0.00066	mg/kg	
2991-50-6	EtFOSAA	0.0013 U	0.0033	0.0013	0.00066	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00066 U	0.0013	0.00066	0.00033	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00066 U	0.0013	0.00066	0.00033	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-B3-0.5		
Lab Sample ID:	FA88809-5	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	74.9
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00066 U	0.0013	0.00066	0.00033	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	78%		40-140%
	13C5-PFPeA	74%		50-150%
	13C5-PFHxA	79%		50-150%
	13C4-PFHpA	77%		50-150%
	13C8-PFOA	73%		50-150%
	13C9-PFNA	71%		50-150%
	13C6-PFDA	72%		50-150%
	13C7-PFUnDA	72%		40-140%
	13C2-PFDoDA	64%		40-140%
	13C2-PFTeDA	55%		30-130%
	13C3-PFBS	81%		50-150%
	13C3-PFHxS	76%		50-150%
	13C8-PFOS	75%		50-150%
	13C8-FOSA	63%		30-130%
	d3-MeFOSAA	84%		40-140%
	d5-EtFOSAA	86%		40-140%
	13C2-4:2FTS	76%		50-150%
	13C2-6:2FTS	77%		50-150%
	13C2-8:2FTS	87%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-B2-0.5		
Lab Sample ID:	FA88809-6	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	69.4
Project:	1215854		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q19194.D	1	09/24/21 16:53	MRE	09/18/21 07:00	OP87348	S4Q269
Run #2 [a]	4Q19268.D	5	09/25/21 11:59	MRE	09/18/21 07:00	OP87348	S4Q270

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2	2.04 g	1.0 ml

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00071 U	0.0014	0.00071	0.00054	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00068	0.0014	0.00071	0.00035	mg/kg	J
375-95-1	Perfluorononanoic acid	0.0035 U [b]	0.0071	0.0035	0.0018	mg/kg	
335-76-2	Perfluorodecanoic acid	0.0035 U [b]	0.0071	0.0035	0.0018	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
307-55-1	Perfluorododecanoic acid	0.0035 U [b]	0.0071	0.0035	0.0018	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.0035 U [b]	0.0071	0.0035	0.0019	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00046	0.0014	0.00071	0.00035	mg/kg	J
375-92-8	Perfluoroheptanesulfonic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0012	0.0014	0.00071	0.00035	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0014 U	0.0035	0.0014	0.00071	mg/kg	
2991-50-6	EtFOSAA	0.0014 U	0.0035	0.0014	0.00071	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00071 U	0.0014	0.00071	0.00035	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00071 U	0.0014	0.00071	0.00035	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-B2-0.5		
Lab Sample ID:	FA88809-6	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	69.4
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00071 U	0.0014	0.00071	0.00035	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	54%	56%	40-140%
	13C5-PFPeA	55%	56%	50-150%
	13C5-PFHxA	54%	54%	50-150%
	13C4-PFHpA	55%	55%	50-150%
	13C8-PFOA	56%	56%	50-150%
	13C9-PFNA	41% [c]	54%	50-150%
	13C6-PFDA	43% [c]	57%	50-150%
	13C7-PFUnDA	49%	58%	40-140%
	13C2-PFDoDA	36% [c]	51%	40-140%
	13C2-PFTeDA	39%	48%	30-130%
	13C3-PFBS	60%	61%	50-150%
	13C3-PFHxS	58%	59%	50-150%
	13C8-PFOS	52%	61%	50-150%
	13C8-FOSA	49%	63%	30-130%
	d3-MeFOSAA	45%	61%	40-140%
	d5-EtFOSAA	48%	68%	40-140%
	13C2-4:2FTS	55%	55%	50-150%
	13C2-6:2FTS	59%	60%	50-150%
	13C2-8:2FTS	57%	67%	50-150%

(a) Dilution required due to matrix interference (ID recovery standard failure).
(b) Result is from Run# 2
(c) Outside control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-C1-1.0		
Lab Sample ID:	FA88809-7	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	76.0
Project:	1215854		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q19197.D	1	09/24/21 17:40	MRE	09/18/21 07:00	OP87348	S4Q269
Run #2							

	Initial Weight	Final Volume
Run #1	2.06 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00064 U	0.0013	0.00064	0.00049	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00056	0.0013	0.00064	0.00032	mg/kg	J
375-95-1	Perfluorononanoic acid	0.00050	0.0013	0.00064	0.00032	mg/kg	J
335-76-2	Perfluorodecanoic acid	0.00077	0.0013	0.00064	0.00032	mg/kg	J
2058-94-8	Perfluoroundecanoic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00064 U	0.0013	0.00064	0.00034	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00053	0.0013	0.00064	0.00032	mg/kg	J
68259-12-1	Perfluorononanesulfonic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0013 U	0.0032	0.0013	0.00064	mg/kg	
2991-50-6	EtFOSAA	0.0013 U	0.0032	0.0013	0.00064	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00064 U	0.0013	0.00064	0.00032	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00064 U	0.0013	0.00064	0.00032	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-C1-1.0		
Lab Sample ID:	FA88809-7	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	76.0
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00064 U	0.0013	0.00064	0.00032	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%		40-140%
	13C5-PFPeA	80%		50-150%
	13C5-PFHxA	79%		50-150%
	13C4-PFHpA	81%		50-150%
	13C8-PFOA	82%		50-150%
	13C9-PFNA	82%		50-150%
	13C6-PFDA	85%		50-150%
	13C7-PFUnDA	86%		40-140%
	13C2-PFDoDA	73%		40-140%
	13C2-PFTeDA	70%		30-130%
	13C3-PFBS	81%		50-150%
	13C3-PFHxS	79%		50-150%
	13C8-PFOS	77%		50-150%
	13C8-FOSA	90%		30-130%
	d3-MeFOSAA	83%		40-140%
	d5-EtFOSAA	85%		40-140%
	13C2-4:2FTS	74%		50-150%
	13C2-6:2FTS	80%		50-150%
	13C2-8:2FTS	83%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-C2-0.5		
Lab Sample ID:	FA88809-8	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	93.4
Project:	1215854		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q19198.D	1	09/24/21 17:55	MRE	09/18/21 07:00	OP87348	S4Q269
Run #2 [a]	4Q19269.D	5	09/25/21 12:15	MRE	09/18/21 07:00	OP87348	S4Q270

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2	2.04 g	1.0 ml

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00052 U	0.0010	0.00052	0.00040	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
375-95-1	Perfluorononanoic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
307-55-1	Perfluorododecanoic acid	0.0026 U [b]	0.0052	0.0026	0.0013	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.0026 U [b]	0.0052	0.0026	0.0014	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.0026 U [b]	0.0052	0.0026	0.0013	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0010 U	0.0026	0.0010	0.00052	mg/kg	
2991-50-6	EtFOSAA	0.0010 U	0.0026	0.0010	0.00052	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00052 U	0.0010	0.00052	0.00026	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00052 U	0.0010	0.00052	0.00026	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-C2-0.5		
Lab Sample ID:	FA88809-8	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	93.4
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00052 U	0.0010	0.00052	0.00026	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	64%	65%	40-140%
	13C5-PFPeA	65%	65%	50-150%
	13C5-PFHxA	65%	63%	50-150%
	13C4-PFHpA	66%	64%	50-150%
	13C8-PFOA	65%	64%	50-150%
	13C9-PFNA	65%	65%	50-150%
	13C6-PFDA	58%	67%	50-150%
	13C7-PFUnDA	49%	64%	40-140%
	13C2-PFDoDA	36% [c]	53%	40-140%
	13C2-PFTeDA	20% [c]	40%	30-130%
	13C3-PFBS	65%	65%	50-150%
	13C3-PFHxS	63%	65%	50-150%
	13C8-PFOS	66%	64%	50-150%
	13C8-FOSA	64%	67%	30-130%
	d3-MeFOSAA	60%	79%	40-140%
	d5-EtFOSAA	62%	88%	40-140%
	13C2-4:2FTS	61%	60%	50-150%
	13C2-6:2FTS	66%	63%	50-150%
	13C2-8:2FTS	62%	73%	50-150%

(a) Dilution required due to matrix interference (ID recovery standard failure).
(b) Result is from Run# 2
(c) Outside control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-C3-1.0		
Lab Sample ID:	FA88809-9	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	67.2
Project:	1215854		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q19199.D	1	09/24/21 18:11	MRE	09/18/21 07:00	OP87348	S4Q269
Run #2							

	Initial Weight	Final Volume
Run #1	1.96 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00076 U	0.0015	0.00076	0.00058	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
375-95-1	Perfluorononanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00076 U	0.0015	0.00076	0.00040	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0015 U	0.0038	0.0015	0.00076	mg/kg	
2991-50-6	EtFOSAA	0.0015 U	0.0038	0.0015	0.00076	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00076 U	0.0015	0.00076	0.00038	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00076 U	0.0015	0.00076	0.00038	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-C3-1.0		
Lab Sample ID:	FA88809-9	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	67.2
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00076 U	0.0015	0.00076	0.00038	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	66%		40-140%
	13C5-PFPeA	68%		50-150%
	13C5-PFHxA	67%		50-150%
	13C4-PFHpA	66%		50-150%
	13C8-PFOA	65%		50-150%
	13C9-PFNA	55%		50-150%
	13C6-PFDA	53%		50-150%
	13C7-PFUnDA	57%		40-140%
	13C2-PFDoDA	44%		40-140%
	13C2-PFTeDA	47%		30-130%
	13C3-PFBS	73%		50-150%
	13C3-PFHxS	71%		50-150%
	13C8-PFOS	67%		50-150%
	13C8-FOSA	58%		30-130%
	d3-MeFOSAA	54%		40-140%
	d5-EtFOSAA	58%		40-140%
	13C2-4:2FTS	67%		50-150%
	13C2-6:2FTS	71%		50-150%
	13C2-8:2FTS	65%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 21-SAP-SO-C39-1.0
Lab Sample ID: FA88809-10
Matrix: SO - Soil
Method: EPA 537M BY ID EPA 537 MOD
Project: 1215854

Date Sampled: 09/08/21
Date Received: 09/10/21
Percent Solids: 67.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q19200.D	1	09/24/21 18:26	MRE	09/18/21 07:00	OP87348	S4Q269
Run #2 [a]	4Q19270.D	5	09/25/21 12:30	MRE	09/18/21 07:00	OP87348	S4Q270

	Initial Weight	Final Volume
Run #1	2.05 g	1.0 ml
Run #2	2.05 g	1.0 ml

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00072 U	0.0014	0.00072	0.00055	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
375-95-1	Perfluorononanoic acid	0.0036 U [b]	0.0072	0.0036	0.0018	mg/kg	
335-76-2	Perfluorodecanoic acid	0.0036 U [b]	0.0072	0.0036	0.0018	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
307-55-1	Perfluorododecanoic acid	0.0036 U [b]	0.0072	0.0036	0.0018	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.0036 U [b]	0.0072	0.0036	0.0019	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0014 U	0.0036	0.0014	0.00072	mg/kg	
2991-50-6	EtFOSAA	0.0014 U	0.0036	0.0014	0.00072	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00072 U	0.0014	0.00072	0.00036	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00072 U	0.0014	0.00072	0.00036	mg/kg	

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21-SAP-SO-C39-1.0		
Lab Sample ID:	FA88809-10	**Date Sampled:**	09/08/21
Matrix:	SO - Soil	**Date Received:**	09/10/21
Method:	EPA 537M BY ID EPA 537 MOD	**Percent Solids:**	67.9
Project:	1215854		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00072 U	0.0014	0.00072	0.00036	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	55%	57%	40-140%
	13C5-PFPeA	57%	56%	50-150%
	13C5-PFHxA	56%	55%	50-150%
	13C4-PFHpA	57%	57%	50-150%
	13C8-PFOA	57%	57%	50-150%
	13C9-PFNA	47% [c]	55%	50-150%
	13C6-PFDA	46% [c]	56%	50-150%
	13C7-PFUnDA	47%	58%	40-140%
	13C2-PFDoDA	37% [c]	51%	40-140%
	13C2-PFTeDA	42%	47%	30-130%
	13C3-PFBS	64%	62%	50-150%
	13C3-PFHxS	63%	62%	50-150%
	13C8-PFOS	58%	64%	50-150%
	13C8-FOSA	50%	64%	30-130%
	d3-MeFOSAA	44%	59%	40-140%
	d5-EtFOSAA	46%	70%	40-140%
	13C2-4:2FTS	59%	56%	50-150%
	13C2-6:2FTS	61%	62%	50-150%
	13C2-8:2FTS	55%	69%	50-150%

(a) Dilution required due to matrix interference (ID recovery standard failure).
(b) Result is from Run# 2
(c) Outside control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Section 5

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
4:2 Fluorotelomer sulfonate	757124-72-4	EPA 537M BY ID	SO	Certified by SOP MS014
6:2 Fluorotelomer sulfonate	27619-97-2	EPA 537M BY ID	SO	Certified by SOP MS014
8:2 Fluorotelomer sulfonate	39108-34-4	EPA 537M BY ID	SO	Certified by SOP MS014
EtFOSAA	2991-50-6	EPA 537M BY ID	SO	Certified by SOP MS014
MeFOSAA	2355-31-9	EPA 537M BY ID	SO	Certified by SOP MS014
PFOSA	754-91-6	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorobutanesulfonic acid	375-73-5	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorobutanoic acid	375-22-4	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorodecanesulfonic acid	335-77-3	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorodecanoic acid	335-76-2	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorododecanoic acid	307-55-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoroheptanesulfonic acid	375-92-8	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoroheptanoic acid	375-85-9	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorohexanesulfonic acid	355-46-4	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorohexanoic acid	307-24-4	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorononanesulfonic acid	68259-12-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorononanoic acid	375-95-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorooctanesulfonic acid	1763-23-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorooctanoic acid	335-67-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoropentanesulfonic acid	2706-91-4	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoropentanoic acid	2706-90-3	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorotetradecanoic acid	376-06-7	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorotridecanoic acid	72629-94-8	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoroundecanoic acid	2058-94-8	EPA 537M BY ID	SO	Certified by SOP MS014

SGS North America Inc.
CHAIN OF CUSTODY RECORD

FA88809

Locations Nationwide
Alaska Florida
New Jersey Colorado
Texas North Carolina
Virginia Louisiana
www.us.sgs.com

CLIENT:	SGS North America Inc. - Alaska Division	SGS Reference:	**SGS Orlando, FL**
CONTACT:	Julie Shumway PHONE NO: (907) 562-2343	Additional Comments:	All soils report out in dry weight unless
PROJECT NAME:	1215854 PWSID#: / NPDL#:		
REPORTS TO:	Julie Shumway E-MAIL: Julie.Shumway@sgs.com; Env.Alaska.RefLabTeam@sgs.com		
INVOICE TO:	SGS - Alaska QUOTE #: / P.O. #: 1215854		

Page 1 of 1

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HHMM	MATRIX/ MATRIX CODE	# CONTAINERS	Preservative Used: NONE	TYPE C = COMP G = GRAB MI = Multi Incremental Soils	EPA 537 PFAS- 24 COMPOUNDS				MS	MSD	SGS lab #	Location ID
1	21-SAP-SO-B1-1.0	09/08/2021	09:42:00	Solid	1			X						1215854001	
2	21-SAP-SO-A1-1.5	09/08/2021	09:58:00	Solid	1			X						1215854002	
3	21-SAP-SO-A2-0.5	09/08/2021	10:28:00	Solid	1			X						1215854003	
4	21-SAP-SO-A3-0.5	09/08/2021	10:43:00	Solid	1			X						1215854004	
5	21-SAP-SO-B3-0.5	09/08/2021	11:03:00	Solid	1			X						1215854005	
6	21-SAP-SO-B2-0.5	09/08/2021	11:19:00	Solid	1			X						1215854006	
7	21-SAP-SO-C1-1.0	09/08/2021	12:27:00	Solid	1			X						1215854007	
8	21-SAP-SO-C2-0.5	09/08/2021	12:46:00	Solid	1			X						1215854008	
9	21-SAP-SO-C3-1.0	09/08/2021	12:58:00	Solid	1			X						1215854009	
10	21-SAP-SO-C39-1.0	09/08/2021	13:02:00	Solid	1			X						1215854010	

Relinquished By: (1)	Date	Time	Received By:	DOD Project? NO	Data Deliverable Requirements:
UPS	9/9/21	0947	UPS	Report to DL (J Flags)? NO (If J- Report as DL/LOD/LOQ.)	Level 2 + SGS EDD
Relinquished By: (2)	Date	Time	Received By:	Cooler ID:	
UPS	9/10/21	10:30		Requested Turnaround Time and-or Special Instructions:	
Relinquished By: (3)	Date	Time	Received By:	SAMPLES MAY BE HOT - AIRPORT SITE	
Relinquished By: (4)	Date	Time	Received For Laboratory By:	Temp Blank °C: / or Ambient [ ]	Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

[X 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
[5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms_and_conditions.htm

INITIAL ASSESSMENT

LABEL VERIFICATION

F088_COC_REF_LAB_20190411

FA88809: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA88809 **Client:** SGS NORTH AMERICA - ALASKA DIVISIO **Project:** 1215854

Date / Time Received: 9/10/2021 10:30:00 AM **Delivery Method:** 1Z74A4350142709597 **Airbill #'s:** UPS

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (1.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.0);

Cooler Information	Y	N
1. Custody Seals Present	☑	☐
2. Custody Seals Intact	☑	☐
3. Temp criteria achieved	☑	☐
4. Cooler temp verification	IR Gun	
5. Cooler media	Ice (Bag)	

Trip Blank Information	Y	N	N/A
1. Trip Blank present / cooler	☐	☐	☑
2. Trip Blank listed on COC	☐	☐	☑

	W	S	N/A
3. Type Of TB Received	☐	☐	☑

Sample Information	Y	N	N/A
1. Sample labels present on bottles	☑	☐	
2. Samples preserved properly	☑	☐	
3. Sufficient volume/containers recvd for analysis:	☑	☐	
4. Condition of sample	Intact		
5. Sample recvd within HT	☑	☐	
6. Dates/Times/IDs on COC match Sample Label	☑	☐	
7. VOCs have headspace	☐	☐	☑
8. Bottles received for unspecified tests	☐	☑	
9. Compositing instructions clear	☐	☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐	☐	☑
11. % Solids Jar received?	☐	☐	☑
12. Residual Chlorine Present?	☐	☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: BRYANG Date: 9/10/2021 10:30:00 A Reviewer: _____ Date: _____

5.2

FA88809: Chain of Custody
Page 2 of 2

MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87348-MB	4Q19186.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-1, FA88809-2, FA88809-3, FA88809-6, FA88809-7, FA88809-8, FA88809-9, FA88809-10

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.50	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.50	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.50	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.50	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.50	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.50	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.50	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.50	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.50	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.50	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	0.50	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.50	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.50	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.50	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.50	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.50	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.50	0.25	ug/kg	
754-91-6	PFOSA	ND	0.50	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.50	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.50	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	85%	40-140%
	13C5-PFPeA	85%	50-150%
	13C5-PFHxA	85%	50-150%
	13C4-PFHpA	88%	50-150%
	13C8-PFOA	88%	50-150%
	13C9-PFNA	90%	50-150%
	13C6-PFDA	93%	50-150%
	13C7-PFUnDA	95%	40-140%

Method Blank Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87348-MB	4Q19186.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-1, FA88809-2, FA88809-3, FA88809-6, FA88809-7, FA88809-8, FA88809-9, FA88809-10

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	80%	40-140%
	13C2-PFTeDA	88%	30-130%
	13C3-PFBS	85%	50-150%
	13C3-PFHxS	86%	50-150%
	13C8-PFOS	90%	50-150%
	13C8-FOSA	90%	30-130%
	d3-MeFOSAA	88%	40-140%
	d5-EtFOSAA	89%	40-140%
	13C2-4:2FTS	80%	50-150%
	13C2-6:2FTS	86%	50-150%
	13C2-8:2FTS	89%	50-150%
	13C3-HFPO-DA	86%	50-150%

Method Blank Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87533-MB	3Q45827.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-4, FA88809-5

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.50	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.50	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.50	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.50	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.50	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.50	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.50	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.50	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.50	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.50	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	0.50	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.50	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.50	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.50	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.50	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.50	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.50	0.25	ug/kg	
754-91-6	PFOSA	ND	0.50	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.50	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.50	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	92%	40-140%
	13C5-PFPeA	87%	50-150%
	13C5-PFHxA	93%	50-150%
	13C4-PFHpA	96%	50-150%
	13C8-PFOA	96%	50-150%
	13C9-PFNA	95%	50-150%
	13C6-PFDA	101%	50-150%
	13C7-PFUnDA	99%	40-140%

Method Blank Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87533-MB	3Q45827.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-4, FA88809-5

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	100%	40-140%
	13C2-PFTeDA	96%	30-130%
	13C3-PFBS	92%	50-150%
	13C3-PFHxS	93%	50-150%
	13C8-PFOS	94%	50-150%
	13C8-FOSA	99%	30-130%
	d3-MeFOSAA	91%	40-140%
	d5-EtFOSAA	92%	40-140%
	13C2-4:2FTS	88%	50-150%
	13C2-6:2FTS	94%	50-150%
	13C2-8:2FTS	99%	50-150%
	13C3-HFPO-DA	90%	50-150%

Instrument Blank

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S4Q269-IBLK	4Q19181.D	1	09/24/21	MRE	n/a	n/a	S4Q269

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA88809-1, FA88809-2, FA88809-3, FA88809-6, FA88809-7, FA88809-8, FA88809-9, FA88809-10

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	1.0	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	1.0	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	1.0	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	1.0	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	1.0	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	1.0	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	1.0	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	1.0	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	1.0	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.0	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.0	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	1.0	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	1.0	0.25	ug/kg	
754-91-6	PFOSA	ND	1.0	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.25	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.25	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	84%	50-150%
	13C5-PFPeA	84%	50-150%
	13C5-PFHxA	82%	50-150%
	13C4-PFHpA	84%	50-150%
	13C8-PFOA	84%	50-150%
	13C9-PFNA	86%	50-150%
	13C6-PFDA	91%	50-150%
	13C7-PFUnDA	88%	50-150%

Instrument Blank

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S4Q269-IBLK	4Q19181.D	1	09/24/21	MRE	n/a	n/a	S4Q269

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA88809-1, FA88809-2, FA88809-3, FA88809-6, FA88809-7, FA88809-8, FA88809-9, FA88809-10

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	86%	50-150%
	13C2-PFTeDA	82%	50-150%
	13C3-PFBS	82%	50-150%
	13C3-PFHxS	82%	50-150%
	13C8-PFOS	87%	50-150%
	13C8-FOSA	96%	50-150%
	d3-MeFOSAA	79%	50-150%
	d5-EtFOSAA	85%	50-150%
	13C2-4:2FTS	77%	50-150%
	13C2-6:2FTS	81%	50-150%
	13C2-8:2FTS	85%	50-150%

Instrument Blank

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S4Q270-IBLK	4Q19262.D	1	09/25/21	MRE	n/a	n/a	S4Q270

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA88809-6, FA88809-8, FA88809-10

CAS No.	Compound	Result	RL	MDL	Units	Q
375-95-1	Perfluorononanoic acid	ND	1.0	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	84%	50-150%
	13C5-PFPeA	84%	50-150%
	13C5-PFHxA	83%	50-150%
	13C4-PFHpA	82%	50-150%
	13C8-PFOA	84%	50-150%
	13C9-PFNA	86%	50-150%
	13C6-PFDA	88%	50-150%
	13C7-PFUnDA	89%	50-150%
	13C2-PFDoDA	86%	50-150%
	13C2-PFTeDA	85%	50-150%
	13C3-PFBS	82%	50-150%
	13C3-PFHxS	81%	50-150%
	13C8-PFOS	87%	50-150%
	13C8-FOSA	101%	50-150%
	d3-MeFOSAA	89%	50-150%
	d5-EtFOSAA	91%	50-150%
	13C2-4:2FTS	76%	50-150%
	13C2-6:2FTS	79%	50-150%
	13C2-8:2FTS	87%	50-150%

Instrument Blank

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S3Q658-IBLK	3Q45735.D	1	09/27/21	MV	n/a	n/a	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA88809-4, FA88809-5

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	1.0	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	1.0	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	1.0	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	1.0	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	1.0	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	1.0	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	1.0	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	1.0	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	1.0	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.0	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.0	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	1.0	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	1.0	0.25	ug/kg	
754-91-6	PFOSA	ND	1.0	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.25	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.25	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	98%	50-150%
	13C5-PFPeA	97%	50-150%
	13C5-PFHxA	98%	50-150%
	13C4-PFHpA	99%	50-150%
	13C8-PFOA	100%	50-150%
	13C9-PFNA	101%	50-150%
	13C6-PFDA	102%	50-150%
	13C7-PFUnDA	100%	50-150%

Instrument Blank

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S3Q658-IBLK	3Q45735.D	1	09/27/21	MV	n/a	n/a	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA88809-4, FA88809-5

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	99%	50-150%
	13C2-PFTeDA	98%	50-150%
	13C3-PFBS	98%	50-150%
	13C3-PFHxS	98%	50-150%
	13C8-PFOS	98%	50-150%
	13C8-FOSA	103%	50-150%
	d3-MeFOSAA	103%	50-150%
	d5-EtFOSAA	101%	50-150%
	13C2-4:2FTS	91%	50-150%
	13C2-6:2FTS	94%	50-150%
	13C2-8:2FTS	96%	50-150%

Instrument Blank

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S3Q658-IBLK	3Q45799.D	1	09/28/21	MV	n/a	n/a	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA88809-4, FA88809-5

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	1.0	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	1.0	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	1.0	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	1.0	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	1.0	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	1.0	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	1.0	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	1.0	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	1.0	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.0	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.0	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	1.0	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	1.0	0.25	ug/kg	
754-91-6	PFOSA	ND	1.0	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.25	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.25	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	97%	50-150%
	13C5-PFPeA	92%	50-150%
	13C5-PFHxA	96%	50-150%
	13C4-PFHpA	100%	50-150%
	13C8-PFOA	100%	50-150%
	13C9-PFNA	100%	50-150%
	13C6-PFDA	103%	50-150%
	13C7-PFUnDA	103%	50-150%

Instrument Blank

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S3Q658-IBLK	3Q45799.D	1	09/28/21	MV	n/a	n/a	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA88809-4, FA88809-5

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	104%	50-150%
	13C2-PFTeDA	98%	50-150%
	13C3-PFBS	95%	50-150%
	13C3-PFHxS	98%	50-150%
	13C8-PFOS	98%	50-150%
	13C8-FOSA	103%	50-150%
	d3-MeFOSAA	97%	50-150%
	d5-EtFOSAA	97%	50-150%
	13C2-4:2FTS	92%	50-150%
	13C2-6:2FTS	97%	50-150%
	13C2-8:2FTS	101%	50-150%

Blank Spike Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87348-BS	4Q19185.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-1, FA88809-2, FA88809-3, FA88809-6, FA88809-7, FA88809-8, FA88809-9, FA88809-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
375-22-4	Perfluorobutanoic acid	10	9.8	98	70-130
2706-90-3	Perfluoropentanoic acid	10	9.9	99	70-130
307-24-4	Perfluorohexanoic acid	10	9.8	98	70-130
375-85-9	Perfluoroheptanoic acid	10	9.9	99	70-130
335-67-1	Perfluorooctanoic acid	10	9.8	98	70-130
375-95-1	Perfluorononanoic acid	10	9.8	98	70-130
335-76-2	Perfluorodecanoic acid	10	9.7	97	70-130
2058-94-8	Perfluoroundecanoic acid	10	9.9	99	70-130
307-55-1	Perfluorododecanoic acid	10	9.8	98	70-130
72629-94-8	Perfluorotridecanoic acid	10	9.8	98	70-130
376-06-7	Perfluorotetradecanoic acid	10	9.9	99	70-130
375-73-5	Perfluorobutanesulfonic acid	10	10.0	100	70-130
2706-91-4	Perfluoropentanesulfonic acid	10	9.7	97	70-130
355-46-4	Perfluorohexanesulfonic acid	10	9.5	95	70-130
375-92-8	Perfluoroheptanesulfonic acid	10	9.5	95	70-130
1763-23-1	Perfluorooctanesulfonic acid	10	9.4	94	70-130
68259-12-1	Perfluorononanesulfonic acid	10	9.8	98	70-130
335-77-3	Perfluorodecanesulfonic acid	10	9.2	92	65-135
754-91-6	PFOSA	10	9.8	98	70-130
2355-31-9	MeFOSAA	10	10.1	101	70-130
2991-50-6	EtFOSAA	10	9.6	96	70-130
757124-72-4	4:2 Fluorotelomer sulfonate	10	10.1	101	70-130
27619-97-2	6:2 Fluorotelomer sulfonate	10	10.1	101	70-130
39108-34-4	8:2 Fluorotelomer sulfonate	10	10	100	70-130

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	73%	40-140%
	13C5-PFPeA	73%	50-150%
	13C5-PFHxA	74%	50-150%
	13C4-PFHpA	74%	50-150%
	13C8-PFOA	75%	50-150%
	13C9-PFNA	76%	50-150%
	13C6-PFDA	78%	50-150%
	13C7-PFUnDA	81%	40-140%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87348-BS	4Q19185.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-1, FA88809-2, FA88809-3, FA88809-6, FA88809-7, FA88809-8, FA88809-9, FA88809-10

CAS No.	ID Standard Recoveries	BSP	Limits
	13C2-PFDoDA	71%	40-140%
	13C2-PFTeDA	76%	30-130%
	13C3-PFBS	75%	50-150%
	13C3-PFHxS	75%	50-150%
	13C8-PFOS	76%	50-150%
	13C8-FOSA	77%	30-130%
	d3-MeFOSAA	73%	40-140%
	d5-EtFOSAA	78%	40-140%
	13C2-4:2FTS	74%	50-150%
	13C2-6:2FTS	77%	50-150%
	13C2-8:2FTS	83%	50-150%
	13C3-HFPO-DA	74%	50-150%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87533-BS	3Q45826.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-4, FA88809-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
375-22-4	Perfluorobutanoic acid	10	8.8	88	70-130
2706-90-3	Perfluoropentanoic acid	10	9.3	93	70-130
307-24-4	Perfluorohexanoic acid	10	9.4	94	70-130
375-85-9	Perfluoroheptanoic acid	10	9.4	94	70-130
335-67-1	Perfluorooctanoic acid	10	9.9	99	70-130
375-95-1	Perfluorononanoic acid	10	8.8	88	70-130
335-76-2	Perfluorodecanoic acid	10	8.9	89	70-130
2058-94-8	Perfluoroundecanoic acid	10	9.2	92	70-130
307-55-1	Perfluorododecanoic acid	10	9.0	90	70-130
72629-94-8	Perfluorotridecanoic acid	10	8.7	87	70-130
376-06-7	Perfluorotetradecanoic acid	10	9.5	95	70-130
375-73-5	Perfluorobutanesulfonic acid	10	9.9	99	70-130
2706-91-4	Perfluoropentanesulfonic acid	10	9.3	93	70-130
355-46-4	Perfluorohexanesulfonic acid	10	9.5	95	70-130
375-92-8	Perfluoroheptanesulfonic acid	10	9.3	93	70-130
1763-23-1	Perfluorooctanesulfonic acid	10	8.9	89	70-130
68259-12-1	Perfluorononanesulfonic acid	10	9.2	92	70-130
335-77-3	Perfluorodecanesulfonic acid	10	8.6	86	65-135
754-91-6	PFOSA	10	9.1	91	70-130
2355-31-9	MeFOSAA	10	9.5	95	70-130
2991-50-6	EtFOSAA	10	8.9	89	70-130
757124-72-4	4:2 Fluorotelomer sulfonate	10	9.6	96	70-130
27619-97-2	6:2 Fluorotelomer sulfonate	10	10.0	100	70-130
39108-34-4	8:2 Fluorotelomer sulfonate	10	9.2	92	70-130

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	88%	40-140%
	13C5-PFPeA	85%	50-150%
	13C5-PFHxA	89%	50-150%
	13C4-PFHpA	91%	50-150%
	13C8-PFOA	90%	50-150%
	13C9-PFNA	92%	50-150%
	13C6-PFDA	93%	50-150%
	13C7-PFUnDA	95%	40-140%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87533-BS	3Q45826.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-4, FA88809-5

CAS No.	ID Standard Recoveries	BSP	Limits
	13C2-PFDoDA	95%	40-140%
	13C2-PFTeDA	92%	30-130%
	13C3-PFBS	87%	50-150%
	13C3-PFHxS	90%	50-150%
	13C8-PFOS	91%	50-150%
	13C8-FOSA	94%	30-130%
	d3-MeFOSAA	86%	40-140%
	d5-EtFOSAA	89%	40-140%
	13C2-4:2FTS	89%	50-150%
	13C2-6:2FTS	93%	50-150%
	13C2-8:2FTS	98%	50-150%
	13C3-HFPO-DA	88%	50-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87348-MS	4Q19188.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269
OP87348-MSD	4Q19189.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269
FA88809-1	4Q19187.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-1, FA88809-2, FA88809-3, FA88809-6, FA88809-7, FA88809-8, FA88809-9, FA88809-10

CAS No.	Compound	FA88809-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
375-22-4	Perfluorobutanoic acid	1.3 U		12.8	13.7	107	12.8	12.7	99	8	70-130/30
2706-90-3	Perfluoropentanoic acid	1.3 U		12.8	14.0	110	12.8	13.0	102	7	70-130/30
307-24-4	Perfluorohexanoic acid	1.3 U		12.8	13.8	108	12.8	12.8	100	8	70-130/30
375-85-9	Perfluoroheptanoic acid	1.3 U		12.8	13.7	107	12.8	12.8	100	7	70-130/30
335-67-1	Perfluorooctanoic acid	1.3 U		12.8	13.8	108	12.8	12.8	100	8	70-130/30
375-95-1	Perfluorononanoic acid	1.3 U		12.8	13.7	107	12.8	12.4	97	10	70-130/30
335-76-2	Perfluorodecanoic acid	1.3 U		12.8	13.3	104	12.8	12.7	99	5	70-130/30
2058-94-8	Perfluoroundecanoic acid	1.3 U		12.8	13.6	107	12.8	12.6	99	8	70-130/30
307-55-1	Perfluorododecanoic acid	1.3 U		12.8	13.5	106	12.8	12.7	99	6	70-130/30
72629-94-8	Perfluorotridecanoic acid	1.3 U		12.8	13.1	103	12.8	12.2	96	7	70-130/30
376-06-7	Perfluorotetradecanoic acid	1.3 U		12.8	13.3	104	12.8	12.5	98	6	70-130/30
375-73-5	Perfluorobutanesulfonic acid	1.3 U		12.8	13.5	106	12.8	12.5	98	8	70-130/30
2706-91-4	Perfluoropentanesulfonic acid	1.3 U		12.8	13.0	102	12.8	12.3	96	6	70-130/30
355-46-4	Perfluorohexanesulfonic acid	1.3 U		12.8	13.0	102	12.8	12.2	96	6	70-130/30
375-92-8	Perfluoroheptanesulfonic acid	1.3 U		12.8	12.7	99	12.8	12.0	94	6	70-130/30
1763-23-1	Perfluorooctanesulfonic acid	1.3 U		12.8	12.7	99	12.8	11.6	91	9	70-130/30
68259-12-1	Perfluorononanesulfonic acid	1.3 U		12.8	13.1	103	12.8	12.3	96	6	70-130/30
335-77-3	Perfluorodecanesulfonic acid	1.3 U		12.8	12.8	100	12.8	12.1	95	6	65-135/30
754-91-6	PFOSA	1.3 U		12.8	12.7	99	12.8	11.3	88	12	70-130/30
2355-31-9	MeFOSAA	3.2 U		12.8	16.0	125	12.8	14.9	117	7	70-130/30
2991-50-6	EtFOSAA	3.2 U		12.8	15.5	121	12.8	14.7	115	5	70-130/30
757124-72-4	4:2 Fluorotelomer sulfonate	1.3 U		12.8	14.2	111	12.8	13.4	105	6	70-130/30
27619-97-2	6:2 Fluorotelomer sulfonate	1.3 U		12.8	13.9	109	12.8	13.2	103	5	70-130/30
39108-34-4	8:2 Fluorotelomer sulfonate	1.3 U		12.8	13.9	109	12.8	13.1	103	6	70-130/30

CAS No.	ID Standard Recoveries	MS	MSD	FA88809-1	Limits
	13C4-PFBA	58%	53%	63%	40-140%
	13C5-PFPeA	60%	54%	64%	50-150%
	13C5-PFHxA	61%	55%	65%	50-150%
	13C4-PFHpA	63%	56%	66%	50-150%
	13C8-PFOA	64%	58%	67%	50-150%
	13C9-PFNA	64%	59%	69%	50-150%
	13C6-PFDA	67%	60%	73%	50-150%
	13C7-PFUnDA	68%	62%	77%	40-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87348-MS	4Q19188.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269
OP87348-MSD	4Q19189.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269
FA88809-1	4Q19187.D	1	09/24/21	MRE	09/18/21	OP87348	S4Q269

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-1, FA88809-2, FA88809-3, FA88809-6, FA88809-7, FA88809-8, FA88809-9, FA88809-10

CAS No.	ID Standard Recoveries	MS	MSD	FA88809-1	Limits
	13C2-PFDoDA	61%	55%	65%	40-140%
	13C2-PFTeDA	57%	52%	61%	30-130%
	13C3-PFBS	66%	61%	69%	50-150%
	13C3-PFHxS	65%	60%	70%	50-150%
	13C8-PFOS	68%	63%	72%	50-150%
	13C8-FOSA	67%	68%	72%	30-130%
	d3-MeFOSAA	43%	36%* [a]	47%	40-140%
	d5-EtFOSAA	47%	40%	55%	40-140%
	13C2-4:2FTS	60%	53%	63%	50-150%
	13C2-6:2FTS	65%	57%	67%	50-150%
	13C2-8:2FTS	70%	64%	73%	50-150%
	13C3-HFPO-DA	62%	57%		50-150%

(a) Outside control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87533-MS	3Q45831.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658
OP87533-MSD	3Q45832.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658
FA89092-10	3Q45830.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-4, FA88809-5

CAS No.	Compound	FA89092-10 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
375-22-4	Perfluorobutanoic acid	ND		12.1	10.4	86	12.3	9.6	78	8	70-130/30
2706-90-3	Perfluoropentanoic acid	ND		12.1	11.1	92	12.3	10.2	83	8	70-130/30
307-24-4	Perfluorohexanoic acid	ND		12.1	11.2	93	12.3	10.2	83	9	70-130/30
375-85-9	Perfluoroheptanoic acid	ND		12.1	11.2	93	12.3	10.3	84	8	70-130/30
335-67-1	Perfluorooctanoic acid	0.60	J	12.1	12.3	97	12.3	11.2	86	9	70-130/30
375-95-1	Perfluorononanoic acid	ND		12.1	10.2	84	12.3	9.6	78	6	70-130/30
335-76-2	Perfluorodecanoic acid	ND		12.1	10.4	86	12.3	9.5	77	9	70-130/30
2058-94-8	Perfluoroundecanoic acid	ND		12.1	11.1	92	12.3	10.1	82	9	70-130/30
307-55-1	Perfluorododecanoic acid	ND		12.1	10.8	89	12.3	9.8	80	10	70-130/30
72629-94-8	Perfluorotridecanoic acid	ND		12.1	11.7	97	12.3	10	81	16	70-130/30
376-06-7	Perfluorotetradecanoic acid	ND		12.1	11.2	93	12.3	10.3	84	8	70-130/30
375-73-5	Perfluorobutanesulfonic acid	ND		12.1	11.6	96	12.3	10.4	85	11	70-130/30
2706-91-4	Perfluoropentanesulfonic acid	ND		12.1	10.5	87	12.3	9.6	78	9	70-130/30
355-46-4	Perfluorohexanesulfonic acid	ND		12.1	11.1	92	12.3	10.0	81	10	70-130/30
375-92-8	Perfluoroheptanesulfonic acid	ND		12.1	11.8	98	12.3	10.4	85	13	70-130/30
1763-23-1	Perfluorooctanesulfonic acid	2.1		12.1	13.2	92	12.3	11.5	77	14	70-130/30
68259-12-1	Perfluorononanesulfonic acid	ND		12.1	9.7	80	12.3	9.2	75	5	70-130/30
335-77-3	Perfluorodecanesulfonic acid	0.96		12.1	11.1	84	12.3	9.4	69	17	65-135/30
754-91-6	PFOSA	ND		12.1	10.4	86	12.3	9.5	77	9	70-130/30
2355-31-9	MeFOSAA	ND		12.1	10.2	84	12.3	9.4	77	8	70-130/30
2991-50-6	EtFOSAA	ND		12.1	9.9	82	12.3	9.7	79	2	70-130/30
757124-72-4	4:2 Fluorotelomer sulfonate	ND		12.1	11.1	92	12.3	10.1	82	9	70-130/30
27619-97-2	6:2 Fluorotelomer sulfonate	ND		12.1	11.5	95	12.3	10.6	86	8	70-130/30
39108-34-4	8:2 Fluorotelomer sulfonate	ND		12.1	10.7	88	12.3	10	81	7	70-130/30

CAS No.	ID Standard Recoveries	MS	MSD	FA89092-10	Limits
	13C4-PFBA	85%	90%	86%	40-140%
	13C5-PFPeA	81%	86%	82%	50-150%
	13C5-PFHxA	86%	90%	87%	50-150%
	13C4-PFHpA	85%	91%	88%	50-150%
	13C8-PFOA	74%	87%	85%	50-150%
	13C9-PFNA	69%	83%	85%	50-150%
	13C6-PFDA	66%	83%	87%	50-150%
	13C7-PFUnDA	67%	85%	88%	40-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88809
Account: SGSAKA SGS North America, Inc
Project: 1215854

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP87533-MS	3Q45831.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658
OP87533-MSD	3Q45832.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658
FA89092-10	3Q45830.D	1	09/28/21	MV	09/28/21	OP87533	S3Q658

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA88809-4, FA88809-5

CAS No.	ID Standard Recoveries	MS	MSD	FA89092-10	Limits
	13C2-PFDoDA	72%	80%	79%	40-140%
	13C2-PFTeDA	76%	81%	80%	30-130%
	13C3-PFBS	87%	92%	89%	50-150%
	13C3-PFHxS	83%	90%	91%	50-150%
	13C8-PFOS	71%	84%	86%	50-150%
	13C8-FOSA	62%	78%	82%	30-130%
	d3-MeFOSAA	75%	98%	98%	40-140%
	d5-EtFOSAA	60%	92%	103%	40-140%
	13C2-4:2FTS	88%	92%	85%	50-150%
	13C2-6:2FTS	77%	90%	88%	50-150%
	13C2-8:2FTS	80%	99%	99%	50-150%
	13C3-HFPO-DA	81%	88%	83%	50-150%

* = Outside of Control Limits.

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ATTACHMENT 5 – CHEMICAL DATA REVIEW AND ADEC CHECKLIST

Reviewer:	Birgit Hagedorn, PhD
Title:	CEO
Company	Sustainable Earth Research LLC
Address:	2200 Alder Drive
	Anchorage, AK 99508
Phone:	907.351.5362
email:	birgit.hagedorn@searchlc.com

Workorder:	1215854/FA88809
Date:	09/29/2021
Project Title	South Air Park
Client	ChemTrack Alaska Inc.
	11711 South Gambell Street
	Anchorage, Ak 99515

The level 2 chemical review provided with this document consists of a review narrative, summary tables of methods, result tables with qualifier, and the ADEC Data Review Checklist.

Birgit Hagedorn

10/04/2021

Birgit Hagedorn — Date

Data Quality Review

Introduction

The samples were analyzed by SGS North America Inc. (Orlando, FL) which is an ADEC accepted laboratory. Sample analysis was performed for PFAs compounds by EPA 537 PFAS 24 Compounds and percent solids by SM21 2540G. All soil data were reported on a dry in mg/Kg.

The data were reviewed based on a level 2 laboratory report provided by the laboratory and follows the requirements of ADEC Laboratory Checklist (ADEC 2020). A completed checklist of the data can be found in the appendix of the laboratory report. Cleanup levels refer to 18 AAC 75 Oil and Other Hazardous Substances Pollution Control, dated October 2018, Table B1, Method TWO migration to groundwater (MGW).

Summary

The analytical report was delivered under work order 12115854/FA88809, Client Project *South Air Park"*. Ten soil samples were listed on the workorder including one field duplicate. Detection limits (DL), and Limit of Quantitation (LOQs), recoveries and relative percent deviations (RPD) are listed for all analytes as required. Laboratory specific qualifiers were added by the laboratory: "J" (result is an estimate) was applied when positive results were above DL but below LOQ, and "U" (analyte is non-detect) was applied when results were below DL. Quality control (QC) samples such as Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD), and Method Blank (MB) were analyzed at the required frequency to evaluate analytical integrity. One Matrix Spike (MS) and Matrix Spike Duplicate (MSD) sample was analyzed by the laboratory to document analytical accuracy and precision. A case narrative was submitted together with laboratory results. The case narrative indicates QC failures for surrogate recovery in three samples due to dilution requirement. A second run after dilution yielded recovery within QC limits. No sample had compound concentration above cleanup level and no analysis was rejected. The work order is 100% completed.

Table 1. Sample Overview

Sample IDs				Date		Method	
Client Sample Id:	Lab ID Anchorage	Lab ID Orlando	Matrix	Collected	Extracted	Percent Solids	PFAS 24 compounds
21-SAP-SO-B1-1.0	1215854001	FA88809-1	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-A1-1.5	1215854002	FA88809-2	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-A2-0.5	1215854003	FA88809-3	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-A3-0.5	1215854004	FA88809-4	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-B3-0.5	1215854005	FA88809-5	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-B2-0.5	1215854006	FA88809-6	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-C1-1.0	1215854007	FA88809-7	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-C2-0.5	1215854008	FA88809-8	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-C3-1.0	1215854009	FA88809-9	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID
21-SAP-SO-C39-1.0	1215854010	FA88809-10	Soil	9/8/2021	9/18/2021	SM21 2540G	EPA 537M by ID

*) second run

Data Qualifier

The following qualifier may be assigned to samples in addition to the laboratory qualifiers:

E	The analyte is non-detect and ½ LOQ is above cleanup level for migration to groundwater, therefore the presence of this analyte above cleanup level cannot be verified.
B	The analyte was detected in the Method Blank or Trip Blank.
R	Result is rejected.
QH	The analyte has a positive result and is biased high.
QL	The analyte has a non-detect or positive result and is biased low.
QN	The analyte had RPD outside the QC limits.

FIELD SAMPLE REVIEW

Sample handling, shipping, and receiving: All samples were listed on the COC and delivered with temperatures below 6 °C.

Holding times: All holding times were met for initial extractions and analysis.

Sample reporting: All soils were reported on a dry weight basis.

Cleanup level: cleanup levels following 18AAC 75, October 2018 Table B1. Method Two, Migration to Groundwater were used for evaluation of all samples. No sample had concentrations above cleanup levels.

Sensitivity LOQs

All LOQs were below cleanup levels.

Surrogates:

Some surrogates were outside QC limits for three samples:

FA88809-6 isotopic labeled surrogates 13C2-PFDoDA, 13C6-PFDA, 3C9-PFNA.

FA88809-8: isotopic labeled surrogates 13C2-PFDoDA, 13C2-PFTeDA

FA88809-10: isotopic labeled surrogates 13C2-PFDoDA, 13C6-PFDA, 13C9-PFNA

All three samples were diluted and rerun, and recovery of all surrogates were within QC limits, data usability is not affected.

QC SAMPLE REVIEW

Method blanks:

All method blanks were non-detect.

Trip Blank:
Trip Blank was not required for the analyses.

Equipment blank:

No equipment blank was submitted to the laboratory.

LCS/LCSD recoveries and RPD:
All LCS, here referred to as Blank Spikes, recoveries were within QC limits. No LCSD was analyzed, refer to MS/MSD for accuracy.

MS/MSD recoveries and RPD:

MS/MSD was performed on sample FA88809-1 all analyte recoveries and RPDs were within QC limits. The surrogate d3-MeFOSAA had recovery below QC limit for MSD sample, the associated analyte MeFOSAA has not been detected in any sample and data usability is not affected, no qualifier was applied.

Field Duplicates:

Sample 21-SAP-SO-C3-1.0 and 21-SAP-SO-C39-1.0 are field duplicates. All analytes were non-detect.

CONCLUSION

There were several QC failures for surrogate recovery which have been resolved through dilution and re-analyses. No other QC failures were found, no analysis was rejected, the workorder is 100% complete. None of the regulated compounds were above cleanup levels.

ABBREVIATIONS

ADEC	Alaska Department of environmental conservations
COC	Chain of Custody
DRO	Diesel range organics
DL	Detection limit
GRO	Gasoline range organics
LCS/LCSD	Laboratory control sample
LCSD	Laboratory control sample duplicate
LOD	Limit of detection (1/2 LOQ)
LOQ	Limit of Quantitation
MS/MSD	Matrix spike/Matrix spike duplicate
MGW	Migration to Groundwater
QC	Quality control
PAH	Polynuclear aromatic hydrocarbon
RPD	Relative Percent Deviation
SIM	Single ion monitoring
VOC	Volatile organic compounds

APPENDIX

Table A1 Results of PFAS analysis in soil samples, cleanup levels refer to 18 AAC 75 Oil and Other Hazardous Substances Pollution Control, dated October 2018, Table B1, Method TWO migration to groundwater (MTGW).

Sample ID				21-SAP-SO-A1-1.5			21-SAP-SO-A2-0.5			21-SAP-SO-A3-0.5			21-SAP-SO-B1-1.0			21-SAP-SO-B2-0.5		
Lab ID				FA88809-2			FA88809-3			FA88809-4			FA88809-1			FA88809-6		
Analyte	Method	Unit	18 AAC 17 MTGW	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag
Percent solids		%		75.0			77.1			82.9			79.1			69.4		
Perfluorobutanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluoropentanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluorohexanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluoroheptanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluorooctanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		0.0006	0.0013	J	ND	0.0006		ND	0.00063		0.0006	0.00071	J
Perfluorononanoic acid	EPA 537M	mg/Kg	0.0017	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.0035	
Perfluorodecanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.0035	
Perfluoroundecanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluorododecanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.0035	
Perfluorotridecanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.0035	
Perfluorotetradecanoic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluorobutanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.0013		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluoropentanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluorohexanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		0.0004	0.00071	J
Perfluoroheptanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		ND	0.00071	
Perfluorooctanesulfonic acid	EPA 537M	mg/Kg	0.003	0.0024	0.00132	J	0.0006	0.00065	J	ND	0.0006		ND	0.00063		0.0012	0.00071	J
Perfluorononanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		ND	0.00071	

Sample ID				21-SAP-SO-A1-1.5			21-SAP-SO-A2-0.5			21-SAP-SO-A3-0.5			21-SAP-SO-B1-1.0			21-SAP-SO-B2-0.5		
Lab ID				FA88809-2			FA88809-3			FA88809-4			FA88809-1			FA88809-6		
Analyte	Method	Unit	18 AAC 17 MTGW	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag
Perfluorodecanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		ND	0.00071	
PFOSA	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		ND	0.00071	
MeFOSAA	EPA 537M	mg/Kg	--	ND	0.0026		ND	0.0013		ND	0.0012		ND	0.0013		ND	0.0014	
EtFOSAA	EPA 537M	mg/Kg	--	ND	0.0026		ND	0.0013		ND	0.0012		ND	0.0013		ND	0.0014	
4:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		ND	0.00071	
6:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		ND	0.00071	
8:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg	--	ND	0.00132		ND	0.00065		ND	0.0006		ND	0.00063		ND	0.00071	

Table A1 continued

Sample ID				21-SAP-SO-B3-0.5			21-SAP-SO-C1-1.0			21-SAP-SO-C2-0.5			21-SAP-SO-C3-1.0			21-SAP-SO-C39-1.0		
Lab ID				FA88809-5			FA88809-7			FA88809-8			FA88809-9			FA88809-10		
Analyte	Method	Unit	18 AAC 17 MTGW	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag
Percent solids		%		74.9			76			93.4			67.2			67.9		
Perfluorobutanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluoropentanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluorohexanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluoroheptanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluorooctanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		0.0005	0.00064	J	ND	0.00052		ND	0.00076		ND	0.00072	
Perfluorononanoic acid	EPA 537M	mg/Kg	0.0017	ND	0.00066		0.0005	0.00064	J	ND	0.00052		ND	0.00076		ND	0.0036	
Perfluorodecanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		0.0007	0.00064	J	ND	0.00052		ND	0.00076		ND	0.0036	
Perfluoroundecanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluorododecanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.0026		ND	0.00076		ND	0.0036	
Perfluorotridecanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.0026		ND	0.00076		ND	0.0036	

Sample ID				21-SAP-SO-B3-0.5			21-SAP-SO-C1-1.0			21-SAP-SO-C2-0.5			21-SAP-SO-C3-1.0			21-SAP-SO-C39-1.0		
Lab ID				FA88809-5			FA88809-7			FA88809-8			FA88809-9			FA88809-10		
Analyte	Method	Unit	18 AAC 17 MTGW	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag
Perfluorotetradecanoic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.0026		ND	0.00076		ND	0.00072	
Perfluorobutanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluoropentanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluorohexanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluoroheptanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluorooctanesulfonic acid	EPA 537M	mg/Kg	0.003	0.0004	0.00066	J	0.0005	0.00064	J	ND	0.00052		ND	0.00076		ND	0.00072	
Perfluorononanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
Perfluorodecanesulfonic acid	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
PFOSA	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
MeFOSAA	EPA 537M	mg/Kg	--	ND	0.0013		ND	0.0013		ND	0.001		ND	0.0015		ND	0.0014	
EtFOSAA	EPA 537M	mg/Kg	--	ND	0.0013		ND	0.0013		ND	0.001		ND	0.0015		ND	0.0014	
4:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
6:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	
8:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg	--	ND	0.00066		ND	0.00064		ND	0.00052		ND	0.00076		ND	0.00072	

Laboratory Data Review Checklist

Completed By:

Birgit Hagedorn

Title:

CEO

Date:

10/4/2021

Consultant Firm:

Sustainable Earth research LLC

Laboratory Name:

SGS North America Inc, Anchorage

Laboratory Report Number:

1215854/FA88809

Laboratory Report Date:

9/29/2021

CS Site Name:

South Air Park

ADEC File Number:

Hazard Identification Number:

Note: Any N/A or No box checked must have an explanation in the comments box.

1. Laboratory

   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

   Yes☒ No☐ N/A☐ Comments:

SGS North America Inc. Anchorage.

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

   Yes☒ No☐ N/A☐ Comments:

Samples were transferred to SGS North America Inc. Orlando, FL is an ADEC approved laboratory.

2. Chain of Custody (CoC)

   a. CoC information completed, signed, and dated (including released/received by)?

   Yes☒ No☐ N/A☐ Comments:

   b. Correct analyses requested?

   Yes☒ No☐ N/A☐ Comments:

3. Laboratory Sample Receipt Documentation

   a. Sample/cooler temperature documented and within range at receipt (0° to 6° C)?

   Yes☒ No☐ N/A☐ Comments:

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

   Yes☒ No☐ N/A☐ Comments:

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

Yes☒ No☐ N/A☐ Comments:

Nothing to report

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

Yes☐ No☐ N/A☒ Comments:

e. Data quality or usability affected?

Comments:

N/A

4. Case Narrative

a. Present and understandable?

Yes☒ No☐ N/A☐ Comments:

b. Discrepancies, errors, or QC failures identified by the lab?

Yes☒ No☐ N/A☐ Comments:

Surrogates 13C2-PFDoDA, 13C6-PFDA, 3C9-PFNA for sample FA88809-6, surrogate 13C2-PFDoDA, 13C2-PFTeDA for sample FA88809-8, and surrogate 13C2-PFDoDA, 13C6-PFDA, 13C9-PFNA for sample FA88809-10 were outside QC limits.

c. Were all corrective actions documented?

Yes☒ No☐ N/A☐ Comments:

Samples were rerun at dilution.

d. What is the effect on data quality/usability according to the case narrative?

Comments:

The second run had all surrogates within QC limits, data usability is not affected.

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

Yes☒ No☐ N/A☐ Comments:

b. All applicable holding times met?

Yes☒ No☐ N/A☐ Comments:

c. All soils reported on a dry weight basis?

Yes☒ No☐ N/A☐ Comments:

d. Are the reported LOQs less than the Cleanup Level or the minimum required detection level for the project?

Yes☒ No☐ N/A☐ Comments:

e. Data quality or usability affected?

N/A

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

ii. All method blank results less than limit of quantitation (LOQ) or project specified objectives?

Yes☒ No☐ N/A☐ Comments:

iii. If above LOQ or project specified objectives, what samples are affected?

Comments:

N/A

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☐ N/A☒ Comments:

v. Data quality or usability affected?

Comments:

N/A

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

Yes☒ No☐ N/A☐ Comments:

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes☐ No☐ N/A☒ Comments:

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes☒ No☐ N/A☐ Comments:

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from LCS/LCSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes☐ No☐ N/A☒ Comments:

Only LSC was run

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

N/A

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☐ N/A☒ Comments:

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

N/A

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Note: Leave blank if not required for project

i. Organics – One MS/MSD reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

FA88809-1MS, FA88809-1MSD, not project specific MS/MSD FA89092-10MS, FA89092-10MSD was used for sample FA88809-4 and FA88809-5.

ii. Metals/Inorganics – one MS and one MSD reported per matrix, analysis and 20 samples?

Yes☐ No☐ N/A☒ Comments:

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?

Yes☒ No☐ N/A☐ Comments:

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.

Yes☒ No☐ N/A☐ Comments:

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

N/A

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☐ N/A☒ Comments:

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

N/A

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC and laboratory samples?

Yes☒ No☐ N/A☐ Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)

Yes☐ No☒ N/A☐ Comments:

Surrogates 13C2-PFDoDA, 13C6-PFDA, 3C9-PFNA for sample FA88809-6, surrogate 13C2-PFDoDA, 13C2-PFTeDA for sample FA88809-8, and surrogate 13C2-PFDoDA, 13C6-PFDA, 13C9-PFNA for sample FA88809-10 were outside QC limits.

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?

Yes☐ No☒ N/A☐ Comments:

Samples were rerun at dilution and all surrogates were within QC limits.

iv. Data quality or usability affected?

Comments:

Data usability is not affected.

e. Trip Blanks

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

Yes☐ No☐ N/A☒ Comments:

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

Yes☐ No☐ N/A☒ Comments:

iii. All results less than LOQ and project specified objectives?

Yes☐ No☐ N/A☒ Comments:

iv. If above LOQ or project specified objectives, what samples are affected?

Comments:

N/A

v. Data quality or usability affected?

Comments:

N/A

f. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

Yes☒ No☐ N/A☐ Comments:

ii. Submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

Sample 21-SAP-SO-C3-1.0 and 21-SAP-SO-C39-1.0 are field duplicates.

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$$

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

Yes☒ No☐ N/A☐ Comments:

All analytes were non-detect.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)
Comments:

N/A

g. Decontamination or Equipment Blank (If not applicable, a comment stating why must be entered below)?

Yes☐ No☐ N/A☒ Comments:

Decontamination was not required in this project.

i. All results less than LOQ and project specified objectives?

Yes☐ No☐ N/A☒ Comments:

ii. If above LOQ or project specified objectives, what samples are affected?
Comments:

N/A

iii. Data quality or usability affected?
Comments:

N/A

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

   a. Defined and appropriate?

      Yes☐ No☐ N/A☒ Comments:

page intentionally blank

ATTACHMENT 6 –SAMPLE GPS COORDINATES

GPS_ID	LAT_Y	LON_X
A1	61.16537056	-150.00266765
A2	61.16313917	-150.00294050
A3	61.16046199	-150.00328450
C1	61.16512813	-149.99429985
C2	61.16287032	-149.99364682
C3	61.16043837	-149.99295700
B1	61.16533838	-149.99997699
B2	61.16301815	-149.99876100
B3	61.16034098	-149.99910535

Final Report

Subsurface Soil PFAS Investigation
Northlink Aviation Airpark, Ted Stevens International Airport, Anchorage, Alaska

May 2022

Prepared for:
MCG Explore Design

Submitted By:
ChemTrack Alaska, Inc.

An 8(a) Alaskan Woman Owned Small Business -Serving Our Clients Since 1973

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Attachments

Attachment 1: Figures - Figure 1 Project Site and Soil Sample Locations Map

Attachment 2: Photographic Log

Attachment 3: Project Civil Cut and Fill Elevation Table, Sample Summary Table and Field Notes

Attachment 4: Analytical Data Package

Attachment 5: Chemical Data Review and ADEC Checklists

ACRONYMS AND ABBREVIATIONS

18 AAC 75 .....Title 18 Alaska Administrative Code Chapter 75
AAC .....Alaska Administrative Code
ADEC.....Alaska Department of Environmental Conservation
bgs.....below ground surface
°C .....degrees Celsius
COC.....chain-of-custody record
ChemTrack. ...ChemTrack Alaska, Inc.
CRW .....CRW Engineering
DL.....detection limit
FSG .....Field Sampling Guidance
GeoTek.....GeoTek Alaska Inc.
GPS.....Global Positioning System
LOD .....Limit of detection
LOQ.....Limit of quantification
mg/kg.....milligram per kilogram
MGW .....Migration to Groundwater
PFOA.....perfluorooctanoic acid
PFOS.....perfluoro octane sulfonate
PM .....Project Manager
PFOA.....Perfluorooctanoic acid
PFOS.....Perfluoro octane sulfonate
PFOSA .....Perfluoro octane sulfonamide acid
PPE .....Personal Protective Equipment
QC .....Quality Control
SGS.....SGS Environmental Services, Inc.
µg/kg.....microgram per kilogram

1. INTRODUCTION

This report summarizes the Perfluorooctanoic acid (PFOA) and perfluoro octane sulfonate (PFOS) subsurface soil investigation activities conducted by ChemTrack at the South Airpark, renamed the Northlink Aviation Airpark, property located at the Ted Stevens International Airport, Anchorage, Alaska. The investigative soil sampling activities were conducted in accordance with the 2021 PFAS Site Environmental Investigation Work Plan (MCG 2021a) and simultaneously with CRW Engineering (CRW) geotechnical evaluation drilling activities. This investigation is a follow-up to the 2021 surface soil PFAS analytical soil sample collection detailed the 2021 PFAS Site Environmental Investigation Report (MCG 2021b).

This document includes a description of the equipment and methods used to perform the subsurface soil sample collection, the laboratory analytical methods and data as well as a summary of the Data Quality Review. Supporting Attachments include figures, a photographic log, the project Sample Summary Table and field notes, the full laboratory analytical data packages and the Chemical Data Review and Alaska Department of Environmental Conservation (ADEC) checklists completed by the Project Chemist.

2. PROJECT LOCATION AND DESCRIPTION

The subject property, herein refer to as the Site, is located at Lot 15 Block 23 in Section 4 of Township 12 North, Range 4 West, Seward Meridian on the south-central edge of the Ted Stevens International Airport, Anchorage, AK 99502. The property consists primarily of undeveloped vegetated acreage with no structures between the airport property to the north and Raspberry Road to the south. The northeast corner has a cleared area adjacent to an existing taxiway with airplanes currently parked on it. Access to the property is restricted and only available from the airport side of the fence. No pits, ponds, or lagoons are present. Several small buildings of a radio facility are located near the southwest corner of the property. The airport fire training facility is located adjacent to the northwest corner of the property.

3. SCOPE OF WORK AND PROJECT OBJECTIVES

The scope of work included subsurface soil sample collection for PFOA/PFOS laboratory analysis and evaluation of the results against current ADEC cleanup criteria to mitigate the spread of PFAS contamination during proposed Site construction soil cut and fill civil operations.

In addition, two additional subsurface soil samples were collected to evaluate for the presence/absence of PFAS compounds at two locations adjacent to the airport fire training facility.

4. REGULATORY FRAMEWORK

The regulatory framework for this project was developed under consideration of the following ADEC regulations and guidance documents:

- ADEC, *Field Sampling Guidance* (FSG), (ADEC 2022)
- 18 Alaska Administrative Code (AAC) 75, ADEC Oil and Other Hazardous Substances Pollution Control, (ADEC 2021)
- ADEC, *Site Characterization Work Plan and Reporting Guidance (ADEC 2017)*.

Sampling was conducted by an ADEC Qualified Environmental Professional, as defined in 18 AAC 75.333.

Analytical soil sample results were evaluated against the ADEC Method Two Migration to Groundwater (MGW) Soil Cleanup Levels for the Under 40 Inch Zone (18 AAC 75, 2021) for PFOA/PFOS compounds. The project screening level for the two ADEC regulated PFOA/PFOS is presented in Table 1 along with the project analytical laboratory limits.

Table 1

Analytical Group	Analyte	Method	Project Screening Level[1] (mg/kg)	Project Limit of Quantitation Goal[2] (mg/kg)	Achievable Laboratory Limits[3]		
					DLs (mg/kg)	LODs (mg/kg)	LOQs (mg/kg)
PFOA/PFOSs	PFOA	EPA 573.1	0.0017	0.0005	0.000165	0.00033	0.0005
PFOA/PFOSs	PFOS	EPA 573.1	0.003	0.0005	0.000165	0.00033	0.0005

[1]Criteria are those listed in ADEC 18 AAC 75.341, Tables B1 and B2, lowest of Under 40 Inch Zone, Migration to Groundwater or Human Health for the Under 40 Inch Zone (ADEC, 2021).

[2]Project LOQ Goals are either within the acceptable range or directly from the applicable validated method.

[3]Achievable DLs, LODs, and LOQs are SGS laboratory limits. All are within analytical method specifications.

5. SITE ACCESS, SAMPLE LOCATIONS AND DRILLING

Site access was coordinated through the MCG Project Manager and CRW. Daily access through airport security gates to access the Site was under escort provided by airport badged CRW personnel.

Thirty-one (31) geotechnical test hole drilling locations were selected by CRW and staked at the Site using GPS survey (Figure 1, Attachment 1). The civil cut and fill grade elevations for the 31 test holes provided by CRW was evaluated and eight test holes (highlighted in yellow on the figure) representing areas with the greatest elevation cuts during civil construction site leveling were selected for PFAS soil sample collection (Table 2, Attachment 3). Soil sample depths were selected to characterize the volume of soil to cut and the freshly exposed soils. In addition, soil samples were also collected from test hole location TH-05 and TH-08 due to their proximity to the airport fire training area.

GeoTek Alaska Inc. (GeoTek) provided geotechnical drilling services for the project. A GeoProbe 7340 drill rig equipped with an auger and split spoons was used for drilling and soil sample collection. A skidsteer was used to move snow and establish access routes to the 31 drilling locations as well as move project equipment and supplies. Deep snow, water ponding and freeze/thaw conditions required test locations to be adjusted slightly to accommodate drill rig access at several locations. The adjusted locations are still considered representative of conditions in the area. Access to the drilling locations by personnel was on foot.

6. SOIL SAMPLING ACTIVITIES

At test hole locations selected for PFAS soil sampling, the auger flights, split spoons and drill tips were decontaminated to mitigate any potential cross contamination between drilling locations prior to use. All items underwent dry decontamination with wire brushes prior to being sprayed and washed with an Alanox cleaning solution and rinsed with distilled or potable water. Soils and wash water were not collected and fell onto the ground surface adjacent to the test hole locations as no known contamination is present at the Site. After soil sample collection, decontamination practices were no longer followed by the drilling team.

Soil samples were collected from 10 test hole locations: TH-28, 25, 21, 19, 15, 13,12, 09, 08, 05 (Figure 1, Attachment 1). After auguring to the desired depth, a volume of soil was then collected with a split spoon sampler. Once recovered by the drill crew, the split spoon was opened, and a soil sample collected using a new stainless-steel tablespoon was used to transfer soil into the laboratory provided container for PFAS analysis. A photographic log of sampling locations and activities is presented as Attachment 2. The project sample summary table with sample collection notes is presented as Table 3 in Attachment 3 along with a copy of the field logbook notes.

Additional precautions were taken to minimize the risk of potential sample contamination during sample collection and management. Care was taken to eliminate any sample contact with known PFOA/PFOS containing material such as markers, field notebooks, or Teflon and the field team did not wear rain gear or Gore-Tex clothing. The sample jars were bagged as soon as possible after collection and placed in an iced cooler. Two shipments of sample coolers were delivered to SGS North America, Inc, in Anchorage, an ADEC approved analytical laboratory. The coolers were then shipped by SGS to their out of state laboratory in Orlando Florida for analysis by EPA method 537.1M PFAS 24 Compounds.

7. INVESTIGATIVE DERIVED WASTE

The investigation-derived waste (IDW) generated during the soil removal effort consisted of disposable sampling materials including used nitrile gloves, sample spoons and decontamination paper towels. IDW was bagged and placed in a solid waste receptacle disposed of at the Anchorage municipal landfill.

8. INVESTIGATION RESULTS

The following sections present the results for the site investigation and analytical soil samples, as well as the Data Quality Assessment (DQA) and the ADEC Laboratory Checklist for the two SGS work orders 1221457 and 1221610.

8.1 SITE OBERVATIONS

Metal debris and a pile of several paint cans were noted in the woods on the knoll around TH-25 location. The metal debris included sections of Marston matting and grating (Photos 5 and 6 Attachment 2). The cans of paint were old and dried out and were accompanied by an empty metal gas container (Photo 7 Attachment 2). No other potential environmental concerns were noted.

8.2 ANALYTICAL RESULTS

A total of 10 primary and two duplicate soil samples were collected and analyzed by SGS for PFAS compounds. The full laboratory analytical reports for the two sample shipments are presented in Attachment 4. There were no detections for PFAS compounds for any of the samples and specifically, the regulated ADEC PFOA/PFOS compounds Perfluorononanoic acid and Perfluorooctanesulfonic acid.

8.3 DATA QUALITY REVIEW

Sustainable Earth Research LLC provided a DQA based on a Level 2 laboratory report and the ADEC Laboratory Checklist (ADEC 2020) for the two laboratory work orders. The DQA for the SGS work orders are presented in full in Attachment 5 and is summarized below.

There was no detection of PFAS analytes in any of the samples. QC failures listed in the case narrative for workorder 1221457 include low recovery of non-project specific MS with low recoveries due to high analyte concentration in parent sample and low recovery of surrogate 13C8-FOSA which affected PFOSA, qualifier QL results may be biased low was applied to PFOSA in affected samples 22-SAP-SO-TH28-05, 22-SAP-SO-TH25-10, 22-SAP-SO-TH09-10. QC failures are not affecting the regulated compounds PFOS and PFOA and are discussed for non-regulated compounds below. Workorder 1221610 had different sample IDs on the COC 22SAP-SO-TH12-05) and sample label (22SAP-SO-TH13-05) for one sample. The laboratory used the COC as guiding document as noted on receiving documents. Later the sample ID was changed to 22SAP-SO-TH13-05 in the laboratory reports since that was confirmed with sampler to be the correct one. No QC errors were documented in the case narrative and were found in this data quality review for work order 1221610. All data were accepted, the workorder is 100% complete.

9. CONCLUSIONS

Subsurface soil samples were collected from 10 selected geotechnical test hole locations at the site to determine the presence/absence of PFOA/PFOS compounds in areas that are to be cut in elevation during civil construction site activities. None of the samples had detections for the two ADEC regulated PFOA/PFOS compounds indicating civil grading during site construction will not spread contaminated soil.

Debris was noted in the woods around TH-25 location do not represent an environmental concern due to their composition and age however, caution should be exercised during civil grading as other items may be buried in the area.

10. RECOMMENDATIONS

No environmental concerns exist at the Site currently and no additional investigation is recommended for the site to characterize soil prior to civil construction activities.

11. REFERENCES

MCG Explore, (2021a). PFAS Site Environmental Investigation Work Plan, South Airpark, Anchorage, Alaska. September 2021.

MCG Explore, (2021b). PFAS Site Environmental Investigation Report, South Airpark, Anchorage, Alaska. October 2021.

ADEC, (2017). Site Characterization Work Plan and Reporting Guidance for Investigation of Contaminated Sites. March 01, 2017.

ADEC, (2019). Field Sampling Guidance For Contaminated Sites and Leaking Underground Storage Tank Sites. October 22, 2019.

ADEC, (2021). 18 AAC 75 Oil and Other Hazardous Substances Pollution Control. June 24, 2021

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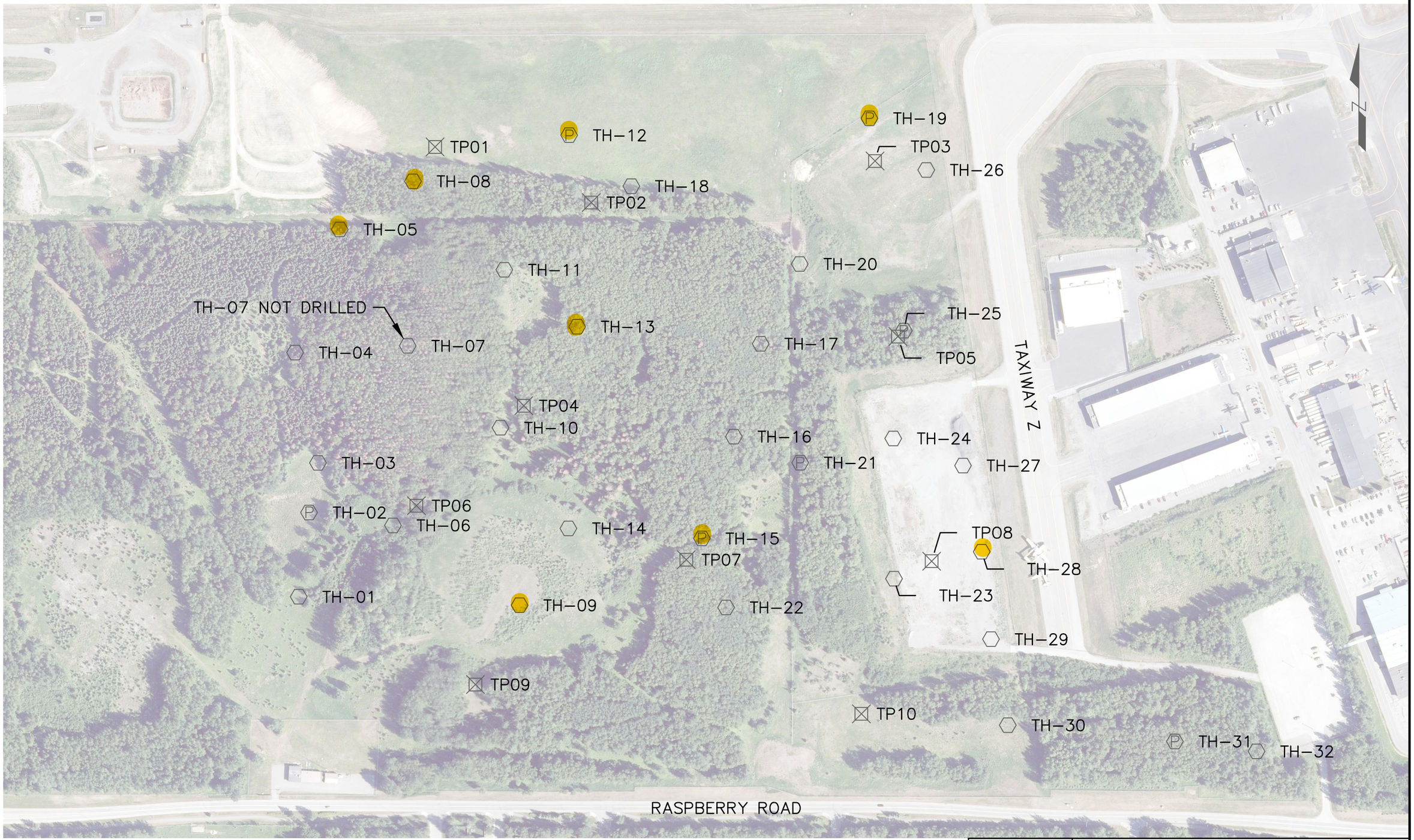
ATTACHMENT 1 – FIGURE



LEGEND

⬡ APPROXIMATE TESTHOLE LOCATION, "P" DENOTES PIEZOMETER COMPLETION
⊠ APPROXIMATE TEST PIT LOCATION

PROJECT: 73130.00	
STATUS: DRAFT	

CRW ENGINEERING GROUP LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AECL0822-AK

GEOTECHNICAL INVESTIGATION
ANC SOUTH AIRPARK
INVESTIGATION LOCATIONS

DATE	APR 2022
SCALE	NTS
FIGURE	1

File: J:\JobsData\73130.00 ANC South AirPark Development\00 CADD 2019\01 Working Set\02 Figures\05 Geotech\73130.00 Testhole Report Figure.dwg

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ATTACHMENT 2 – PHOTOGRAPHIC LOG

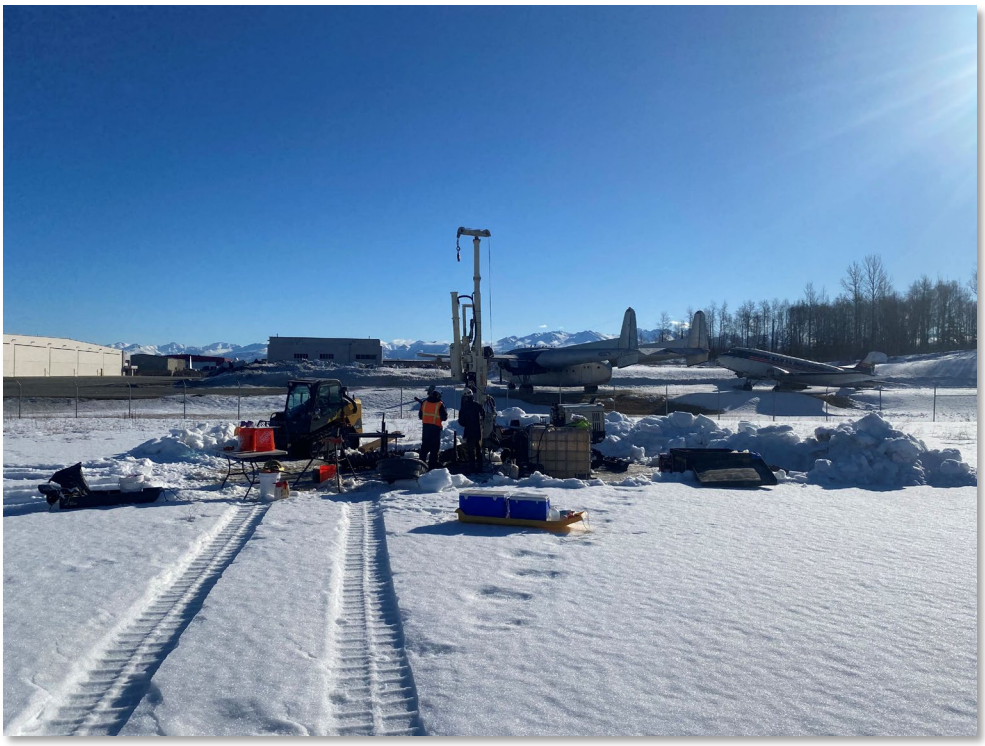

Photo 1: TH-28 location facing east

Photo 2: TH-28 subsurface sample soil

Photo 3: TH-25 location facing north

Photo 4: TH-25 subsurface sample soil

Photo 5: TH-25 area debris item 1 – metal marston matting

Photo 6: TH-25 area debris item 2 – metal grating with frame

Photo 7: TH-25 area debris item 3 – empty fuel and paint cans

Photo 8: TH-21 location facing southeast

Photo 9: TH-19 location facing northeast

Photo 10: TH-19 subsurface sample soil

Photo 11: TH-15 location facing west

Photo 12: TH-09 location facing northwest

Photo 13: TH-09 subsurface sample soil

Photo 14: TH-13 subsurface sample soil

Photo 15: TH-12 location facing west

Photo 16: TH-05 location facing west

Photo 17: TH-08 location facing west

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ATTACHMENT 3 – SAMPLE SUMMARY AND NOTES

Spring 2022 Anchorage South Airpark/Northlink Airpark Subsurface Soil PFAS Site Investigation

Test Hole Location ID*	Sample ID	Date	Time	Sample Depth (ft)	Laboratory Analysis	Notes
TH-28	22-SAP-SO-TH28-05	3/30/2022	910	5	PFAS/PFOA - EPA 537M	Brown silt
Th-25	22-SAP-SO-TH25-10	3/30/2022	1312	10	PFAS/PFOA - EPA 537M	Brown silt
TH-21	22-SAP-SO-TH21-7.5	4/3/2022	937	7.5	PFAS/PFOA - EPA 537M	Brown silt
TH-19	22-SAP-SO-TH19-10	4/5/2022	930	10	PFAS/PFOA - EPA 537M	Brown silt
TH-15	22-SAP-SO-TH15-05	4/5/2022	1429	5	PFAS/PFOA - EPA 537M	Brown silt
TH-09	22-SAP-SO-TH09-10	4/7/2022	1005	10	PFAS/PFOA - EPA 537M	Brown silt
TH-09	22-SAP-SO-TH09-00	4/7/2022	1010	10	PFAS/PFOA - EPA 537M	Duplicate sample
TH-13	22-SAP-SO-TH13-05	4/13/2022	1000	5	PFAS/PFOA - EPA 537M	Brown silt
TH-12	22-SAP-SO-TH12-10	4/13/2022	1303	10	PFAS/PFOA - EPA 537M	Brown silt
TH-08	22-SAP-SO-TH08-05	4/13/2022	1538	5	PFAS/PFOA - EPA 537M	Brown silt
TH-08	22-SAP-SO-TH08-00	4/13/2022	1540	5	PFAS/PFOA - EPA 537M	Duplicate sample
TH-05	22-SAP-SO-TH05-05	4/14/2022	1120	5	PFAS/PFOA - EPA 537M	Brown silt

* Based on CRW Engineering geotechnical boring locations

Northlink Aviation Airpark - Proposed Soil Sample Location Sheet

Test Hole	Test Hole Depth	Existing Ground Elevation (feet)	Approximate Final Elevation (feet)	Fill (- Cut), feet	PFOA/PFAS Sample Depth(s) (ft)	Piezometer	Design Element
TH-01	50	83.912	108	24			Off Apron/Adjacent to Berm
TH-02	50	67.589	115	47		Yes	Hardstand
TH-03	50	72.188	115	43			Hardstand
TH-04	50	86.862	115	28			Hardstand
TH-05	50	82.034	115	33			Hardstand
TH-06	30	96.209	115	19			Apron/Taxiway
TH-07	30	101.794	115	13		Yes	Apron/Taxiway
TH-08	30	94.874	115	20			Apron/Taxiway
TH-09	50	134.975	115	-20	125		Edge of Apron
TH-10	30	107.848	115	7			Hardstand
TH-11	30	104.251	115	11			Hardstand
TH-12	35	125.177	115	-10	120	Yes	Edge of Apron
TH-13	35	125.719	115	-11	120		Apron/Taxiway
TH-14	45	133.749	115	-19			Apron/Taxiway
TH-15	40	131.131	115	-16	125	Yes	Apron/Taxiway
TH-16	35	122.881	115	-8			Hardstand
TH-17	30	112.958	115	2			Apron/Taxiway
TH-18	30	102.97	115	12			Apron/Taxiway
TH-19	45	132.016	115	-17	120	Yes	Edge of Apron
TH-20	30	99.623	115	15			Hardstand
TH-21	45	133.318	115	-18	125	Yes	Hardstand
TH-22	50	128.096	115	-13			Deicing Building
TH-23	50	119.189	113.9	-5			Building
TH-24	50	117.997	113.9	-4			Building
TH-25	35	124.239	115	-9	115	Yes	Apron/Taxiway
TH-26	30	108.759	115	6			Apron/Taxiway
TH-27	35	116.693	115	-2			Vehicle Parking
TH-28	35	119.681	115	-5	115		Vehicle Parking
TH-29	50	121.621	120	-2			Access Road/Adjacent to Berm
TH-30	35	115.472	120	5			Access Road
TH-31	35	150.678	120	-31		Yes	Access Road
TH-32	35	149.026	120	-29			Access Road
	1260	**Total Footage**					

LEGEND

PROPOSED TESTHOLE LOCATION
APPROXIMATE TEST PIT LOCATION

PROJECT: 73130.00
STATUS: DRAFT

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AECL552-AK

MCG EXPLORE DESIGN
ANC SOUTH AIRPARK
TEST PIT LOCATIONS

DATE: FEB2022
SCALE: NTS
FIGURE: 1

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ATTACHMENT 4 – ANALYTICAL DATA PACKAGES

Laboratory Report of Analysis

To: ChemTrack
11711 S Gambell St
Anchorage, AK 99515
(907)250-9337

Report Number: **1221457**

Client Project: **North Link Airport**

Dear Forrest Janukajtis,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of ten years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of fourteen (14) days from the date of this report unless other archiving requirements were included in the quote.

If there are any questions about the report or services performed during this project, please call Justin at (907) 562-2343. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

_____

Justin Nelson Date
Project Manager
Justin.Nelson@sgs.com

SGS North America Inc. 200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Member of SGS Group

Case Narrative

SGS Client: **ChemTrack**
SGS Project: **1221457**
Project Name/Site: **North Link Airport**
Project Contact: **Forrest Janukajtis**

Refer to sample receipt form for information on sample condition.

EPA 537 PFAS was analyzed by SGS of Orlando, FL.

*QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Print Date: 04/20/2022 2:45:46PM

SGS North America Inc.
200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Member of SGS Group

Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
22SAP-SO-TH09-00	1221457007	04/07/2022	04/07/2022	Soil/Solid (dry weight)
22SAP-SO-TH09-10	1221457006	04/07/2022	04/07/2022	Soil/Solid (dry weight)
22SAP-SO-TH15-05	1221457005	04/05/2022	04/07/2022	Soil/Solid (dry weight)
22SAP-SO-TH19-10	1221457004	04/05/2022	04/07/2022	Soil/Solid (dry weight)
22SAP-SO-TH21-7.5	1221457003	04/03/2022	04/07/2022	Soil/Solid (dry weight)
22SAP-SO-TH25-10	1221457002	03/30/2022	04/07/2022	Soil/Solid (dry weight)
22SAP-SO-TH28-05	1221457001	03/30/2022	04/07/2022	Soil/Solid (dry weight)

Method	Method Description

SGS North America Inc.
200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Member of SGS Group

SGS North America Inc.
CHAIN OF CUSTODY RECORD

www.us.sgs.com

Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Page 1 of 1

Section 1

CLIENT: ChemTrack

CONTACT: Forrest Jankyhis — PHONE #: 907-250-9337

PROJECT NAME: NorthLink Airport — PROJECT/ PWSID/ PERMIT#:

REPORTS TO: forrest@chemtrack.net — E-MAIL: Profile #: 373966

INVOICE TO: lori@chemtrack.net — QUOTE #: P.O.#:

Section 3 — Preservative

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Comp Grab MI (Multi-incremental)	Analysis*: PFAS EPA 537.1	REMARKS/LOC ID
	22SAP-SO-TH28-05	3/30/22	0910	Soil	1	G	X	
	22SAP-SO-TH25-10	3/30/22	1312	↓	1	G	X	
	22SAP-SO-TH21-7.5	4/3/22	0937		1	G	X	
	22SAP-SO-TH19-10	4/5/22	0930	↓	1	G	X	
	22SAP-SO-TH15-05	4/5/22	1429		1	G	X	
	22SAP-SO-TH09-10	4/7/22	1005	↓	1	G	X	
	22SAP-SO-TH09-00	4/7/22	1010	↓	1	G	X	

1221457

NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS

B-384

Section 5

	Date	Time	
Relinquished By: (1) Forrest Jankyhis	4/7/22		Received By:
Relinquished By: (2)			Received By:
Relinquished By: (3)			Received By:
Relinquished By: (4)	4/7/22	12:20	Received For Laboratory By: Danik DF

Section 4

DOD Project? Yes (No)

Data Deliverable Requirements: Level 2

Cooler ID: SAP 02

Requested Turnaround Time and/or Special Instructions: standard — ★ Airport Samples ★

Temp Blank °C: 1.8 Dle2 or Ambient [ ]

Chain of Custody Seal: (Circle) INTACT BROKEN (ABSENT)

Delivery Method: Hand Delivery [ ] Commerical Delivery [ ]

http://www.sgs.com/terms-and-conditions

e-Sample Receipt Form

SGS Workorder #: 1221457

Review Criteria	Condition (Yes, No, N/A)	Exceptions Noted below
Chain of Custody / Temperature Requirements		Yes — Exemption permitted if sampler hand carries/delivers.
Were Custody Seals intact? Note # & location	N/A	
COC accompanied samples?	Yes	
DOD: Were samples received in COC corresponding coolers?	N/A	
N/A **Exemption permitted if chilled & collected <8 hours ago, or for samples where chilling is not required		
Temperature blank compliant* (i.e., 0-6 °C after CF)?	Yes	Cooler ID: SAP 02 @ 1.8 °C Therm. ID: D62
If samples received without a temperature blank, the "cooler temperature" will be documented instead & "COOLER TEMP" will be noted to the right. "ambient" or "chilled" will be noted if neither is available.		Cooler ID: @ °C Therm. ID:
		Cooler ID: @ °C Therm. ID:
		Cooler ID: @ °C Therm. ID:
		Cooler ID: @ °C Therm. ID:
*If >6°C, were samples collected <8 hours ago?	N/A	
If <0°C, were sample containers ice free?	N/A	
Note: Identify containers received at non-compliant temperature . Use form FS-0029 if more space is needed.		
Holding Time / Documentation / Sample Condition Requirements		Note: Refer to form F-083 "Sample Guide" for specific holding times.
Were samples received within holding time?	Yes	
Do samples **match COC**** (i.e.,sample IDs,dates/times collected)?	Yes	
**Note: If times differ <1hr, record details & login per COC.		
***Note: If sample information on containers differs from COC, SGS will default to COC information		
Were analytical requests clear? (i.e., method is specified for analyses with multiple option for analysis (Ex: BTEX, Metals)	Yes	
	N/A	***Exemption permitted for metals (e.g,200.8/6020B).
Were proper containers (type/mass/volume/preservative***)used?	Yes	
Volatile / LL-Hg Requirements		
Were Trip Blanks (i.e., VOAs, LL-Hg) in cooler with samples?	N/A	
Were all water VOA vials free of headspace (i.e., bubbles ≤ 6mm)?	N/A	
Were all soil VOAs field extracted with MeOH+BFB?	N/A	
Note to Client: Any "No", answer above indicates non-compliance with standard procedures and may impact data quality.		
Additional notes (if applicable):		

F102b_SRFpm_20210526

Sample Containers and Preservatives

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1221457001-A	No Preservative Required	OK			
1221457002-A	No Preservative Required	OK			
1221457003-A	No Preservative Required	OK			
1221457004-A	No Preservative Required	OK			
1221457005-A	No Preservative Required	OK			
1221457006-A	No Preservative Required	OK			
1221457007-A	No Preservative Required	OK			

Container Condition Glossary

Containers for bacteriological, low level mercury and VOA vials are not opened prior to analysis and will be assigned condition code OK unless evidence indicates than an inappropriate container was submitted.

OK - The container was received at an acceptable pH for the analysis requested.
BU - The container was received with headspace greater than 6mm.
DM - The container was received damaged.
FR - The container was received frozen and not usable for Bacteria or BOD analyses.
IC - The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.
NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.
PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
QN - Insufficient sample quantity provided.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SGS North America, Inc

1221457

SGS Job Number: FA94723

Sampling Dates: 03/30/22 - 04/07/22

Report to:

SGS North America, Inc
200 W Potter Dr
Anchorage, AK 99518
julie.shumway@sgs.com

ATTN: Julie Shumway

Total number of pages in report: 35

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL(E83510), LA(030051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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Test results relate only to samples analyzed.

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EHS.US.CustomerCare@sgs.com

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1 2 3 4 6

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Sample Summary

SGS North America, Inc

1221457

Job No: FA94723

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA94723-1	03/30/22	09:10		04/09/22	SO	Soil	22SAP-SO-TH28-05
FA94723-2	03/30/22	13:12		04/09/22	SO	Soil	22SAP-SO-TH25-10
FA94723-3	04/03/22	09:27		04/09/22	SO	Soil	22SAP-SO-TH21-7.5
FA94723-4	04/05/22	09:30		04/09/22	SO	Soil	22SAP-SO-TH19-10
FA94723-5	04/05/22	14:29		04/09/22	SO	Soil	22SAP-SO-TH15-05
FA94723-6	04/07/22	10:05		04/09/22	SO	Soil	22SAP-SO-TH09-10
FA94723-7	04/07/22	10:10		04/09/22	SO	Soil	22SAP-SO-TH09-00

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: SGS North America, Inc **Job No:** FA94723

Site: 1221457 **Report Date:** 4/20/2022 4:27:33 PM

On 04/09/2022, 7 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA94723 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP90682

Sample(s) FA94722-1MS, FA94722-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 4:2 Fluorotelomer sulfonate, EtFOSAA, MeFOSAA, Perfluorobutanoic acid, Perfluorodecanesulfonic acid, Perfluorodecanoic acid, Perfluorododecanoic acid, Perfluoroheptanesulfonic acid, Perfluorohexanesulfonic acid, Perfluorononanesulfonic acid, Perfluorononanoic acid, Perfluoropentanesulfonic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid, Perfluoroundecanoic acid, PFOSA, 6:2 Fluorotelomer sulfonate, 8:2 Fluorotelomer sulfonate, Perfluorohexanoic acid, Perfluorooctanoic acid, Perfluoropentanoic acid are outside control limits. Outside control limits due to high level in sample relative to spike amount and/or possible matrix interference.

Matrix Spike Duplicate Recovery(s) for 4:2 Fluorotelomer sulfonate, 6:2 Fluorotelomer sulfonate, 8:2 Fluorotelomer sulfonate, EtFOSAA, MeFOSAA, Perfluorobutanesulfonic acid, Perfluorobutanoic acid, Perfluorodecanesulfonic acid, Perfluorodecanoic acid, Perfluorododecanoic acid, Perfluoroheptanesulfonic acid, Perfluoroheptanoic acid, Perfluorohexanesulfonic acid, Perfluorohexanoic acid, Perfluorononanesulfonic acid, Perfluorononanoic acid, Perfluorooctanesulfonic acid, Perfluorooctanoic acid, Perfluoropentanesulfonic acid, Perfluoropentanoic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid, Perfluoroundecanoic acid, PFOSA are outside control limits. Outside control limits due to high level in sample relative to spike amount and/or possible matrix interference.
Sample(s) FA94723-1, FA94723-2, FA94723-6 have surrogates outside control limits.

FA94723-1 for 13C8-FOSA: Outside control limits.

FA94723-1 for PFOSA: Associated ID Standard outside control limits.

FA94723-1: Confirmation run.

FA94723-2 for 13C8-FOSA: Outside control limits.

FA94723-2 for PFOSA: Associated ID Standard outside control limits.

FA94723-2: Confirmation run.

FA94723-6 for 13C8-FOSA: Outside control limits.

FA94723-6 for PFOSA: Associated ID Standard outside control limits.

FA94723-6: Confirmation run.

General Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN91110

Sample(s) FA94864-4DUP were used as the QC samples for Solids, Percent.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA94723
Account: SGS North America, Inc
Project: 1221457
Collected: 03/30/22 thru 04/07/22

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA94723-1	**22SAP-SO-TH28-05**					
No hits reported in this sample.						
FA94723-2	**22SAP-SO-TH25-10**					
No hits reported in this sample.						
FA94723-3	**22SAP-SO-TH21-7.5**					
No hits reported in this sample.						
FA94723-4	**22SAP-SO-TH19-10**					
No hits reported in this sample.						
FA94723-5	**22SAP-SO-TH15-05**					
No hits reported in this sample.						
FA94723-6	**22SAP-SO-TH09-10**					
No hits reported in this sample.						
FA94723-7	**22SAP-SO-TH09-00**					
No hits reported in this sample.						

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	22SAP-SO-TH28-05		
Lab Sample ID:	FA94723-1	**Date Sampled:**	03/30/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.2
Project:	1221457		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q89360.D	1	04/17/22 18:19	JB	04/11/22 06:30	OP90682	S2Q1254
Run #2 [a]	2Q89264.D	10	04/16/22 14:56	JB	04/11/22 06:30	OP90682	S2Q1252

	Initial Weight	Final Volume
Run #1	2.03 g	1.0 ml
Run #2	2.03 g	1.0 ml

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00058 U	0.0012	0.00058	0.00044	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-95-1	Perfluorononanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00058 U	0.0012	0.00058	0.00031	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00058 U	0.0012	0.00058	0.00023	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA [b]	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0012 U	0.0029	0.0012	0.00058	mg/kg	
2991-50-6	EtFOSAA	0.0012 U	0.0029	0.0012	0.00058	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH28-05		
Lab Sample ID:	FA94723-1	**Date Sampled:**	03/30/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.2
Project:	1221457		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%	80%	40-140%
	13C5-PFPeA	84%	81%	50-150%
	13C5-PFHxA	85%	81%	50-150%
	13C4-PFHpA	87%	82%	50-150%
	13C8-PFOA	87%	82%	50-150%
	13C9-PFNA	86%	82%	50-150%
	13C6-PFDA	86%	82%	50-150%
	13C7-PFUnDA	85%	82%	40-140%
	13C2-PFDoDA	84%	81%	40-140%
	13C2-PFTeDA	90%	86%	30-130%
	13C3-PFBS	83%	79%	50-150%
	13C3-PFHxS	79%	79%	50-150%
	13C8-PFOS	81%	77%	50-150%
	13C8-FOSA	29% [c]	29% [c]	30-130%
	d3-MeFOSAA	81%	75%	40-140%
	d5-EtFOSAA	87%	85%	40-140%
	13C2-4:2FTS	79%	79%	50-150%
	13C2-6:2FTS	79%	77%	50-150%
	13C2-8:2FTS	79%	75%	50-150%

(a) Confirmation run.
(b) Associated ID Standard outside control limits.
(c) Outside control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 22SAP-SO-TH25-10
Lab Sample ID: FA94723-2
Matrix: SO - Soil
Method: EPA 537M BY ID IN HOUSE
Project: 1221457

Date Sampled: 03/30/22
Date Received: 04/09/22
Percent Solids: 90.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q89361.D	1	04/17/22 18:36	JB	04/11/22 06:30	OP90682	S2Q1254
Run #2 [a]	2Q89265.D	10	04/16/22 15:13	JB	04/11/22 06:30	OP90682	S2Q1252

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2	2.00 g	1.0 ml

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00055 U	0.0011	0.00055	0.00042	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-95-1	Perfluorononanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00055 U	0.0011	0.00055	0.00029	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00055 U	0.0011	0.00055	0.00022	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA [b]	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0011 U	0.0028	0.0011	0.00055	mg/kg	
2991-50-6	EtFOSAA	0.0011 U	0.0028	0.0011	0.00055	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH25-10		
Lab Sample ID:	FA94723-2	**Date Sampled:**	03/30/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.4
Project:	1221457		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	91%	95%	40-140%
	13C5-PFPeA	95%	98%	50-150%
	13C5-PFHxA	97%	101%	50-150%
	13C4-PFHpA	100%	104%	50-150%
	13C8-PFOA	103%	109%	50-150%
	13C9-PFNA	100%	106%	50-150%
	13C6-PFDA	101%	108%	50-150%
	13C7-PFUnDA	99%	104%	40-140%
	13C2-PFDoDA	99%	103%	40-140%
	13C2-PFTeDA	107%	109%	30-130%
	13C3-PFBS	96%	99%	50-150%
	13C3-PFHxS	94%	102%	50-150%
	13C8-PFOS	96%	99%	50-150%
	13C8-FOSA	28% [c]	30%	30-130%
	d3-MeFOSAA	92%	93%	40-140%
	d5-EtFOSAA	96%	109%	40-140%
	13C2-4:2FTS	91%	97%	50-150%
	13C2-6:2FTS	92%	96%	50-150%
	13C2-8:2FTS	91%	95%	50-150%

(a) Confirmation run.
(b) Associated ID Standard outside control limits.
(c) Outside control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH21-7.5		
Lab Sample ID:	FA94723-3	**Date Sampled:**	04/03/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	82.1
Project:	1221457		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q89362.D	1	04/17/22 18:53	JB	04/11/22 06:30	OP90682	S2Q1254
Run #2							

	Initial Weight	Final Volume
Run #1	2.12 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00057 U	0.0011	0.00057	0.00044	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
375-95-1	Perfluorononanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00057 U	0.0011	0.00057	0.00030	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00057 U	0.0011	0.00057	0.00023	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0011 U	0.0029	0.0011	0.00057	mg/kg	
2991-50-6	EtFOSAA	0.0011 U	0.0029	0.0011	0.00057	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00057 U	0.0011	0.00057	0.00029	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00057 U	0.0011	0.00057	0.00029	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH21-7.5		
Lab Sample ID:	FA94723-3	**Date Sampled:**	04/03/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	82.1
Project:	1221457		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00057 U	0.0011	0.00057	0.00029	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	93%		40-140%
	13C5-PFPeA	95%		50-150%
	13C5-PFHxA	96%		50-150%
	13C4-PFHpA	99%		50-150%
	13C8-PFOA	99%		50-150%
	13C9-PFNA	98%		50-150%
	13C6-PFDA	98%		50-150%
	13C7-PFUnDA	97%		40-140%
	13C2-PFDoDA	96%		40-140%
	13C2-PFTeDA	104%		30-130%
	13C3-PFBS	93%		50-150%
	13C3-PFHxS	90%		50-150%
	13C8-PFOS	92%		50-150%
	13C8-FOSA	46%		30-130%
	d3-MeFOSAA	94%		40-140%
	d5-EtFOSAA	99%		40-140%
	13C2-4:2FTS	89%		50-150%
	13C2-6:2FTS	90%		50-150%
	13C2-8:2FTS	90%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH19-10		
Lab Sample ID:	FA94723-4	**Date Sampled:**	04/05/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	87.8
Project:	1221457		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q89363.D	1	04/17/22 19:09	JB	04/11/22 06:30	OP90682	S2Q1254
Run #2							

	Initial Weight	Final Volume
Run #1	2.01 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00057 U	0.0011	0.00057	0.00043	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
375-95-1	Perfluorononanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00057 U	0.0011	0.00057	0.00030	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00057 U	0.0011	0.00057	0.00023	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0011 U	0.0028	0.0011	0.00057	mg/kg	
2991-50-6	EtFOSAA	0.0011 U	0.0028	0.0011	0.00057	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00057 U	0.0011	0.00057	0.00028	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00057 U	0.0011	0.00057	0.00028	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH19-10		
Lab Sample ID:	FA94723-4	**Date Sampled:**	04/05/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	87.8
Project:	1221457		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00057 U	0.0011	0.00057	0.00028	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	96%		40-140%
	13C5-PFPeA	98%		50-150%
	13C5-PFHxA	99%		50-150%
	13C4-PFHpA	101%		50-150%
	13C8-PFOA	102%		50-150%
	13C9-PFNA	102%		50-150%
	13C6-PFDA	101%		50-150%
	13C7-PFUnDA	101%		40-140%
	13C2-PFDoDA	99%		40-140%
	13C2-PFTeDA	107%		30-130%
	13C3-PFBS	94%		50-150%
	13C3-PFHxS	93%		50-150%
	13C8-PFOS	94%		50-150%
	13C8-FOSA	46%		30-130%
	d3-MeFOSAA	101%		40-140%
	d5-EtFOSAA	103%		40-140%
	13C2-4:2FTS	91%		50-150%
	13C2-6:2FTS	93%		50-150%
	13C2-8:2FTS	93%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 22SAP-SO-TH15-05
Lab Sample ID: FA94723-5
Matrix: SO - Soil
Method: EPA 537M BY ID IN HOUSE
Project: 1221457

Date Sampled: 04/05/22
Date Received: 04/09/22
Percent Solids: 85.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q89364.D	1	04/17/22 19:26	JB	04/11/22 06:30	OP90682	S2Q1254
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00059 U	0.0012	0.00059	0.00045	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
375-95-1	Perfluorononanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00059 U	0.0012	0.00059	0.00031	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00059 U	0.0012	0.00059	0.00023	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0012 U	0.0029	0.0012	0.00059	mg/kg	
2991-50-6	EtFOSAA	0.0012 U	0.0029	0.0012	0.00059	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00059 U	0.0012	0.00059	0.00029	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00059 U	0.0012	0.00059	0.00029	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH15-05		
Lab Sample ID:	FA94723-5	**Date Sampled:**	04/05/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.3
Project:	1221457		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00059 U	0.0012	0.00059	0.00029	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%		40-140%
	13C5-PFPeA	86%		50-150%
	13C5-PFHxA	87%		50-150%
	13C4-PFHpA	90%		50-150%
	13C8-PFOA	91%		50-150%
	13C9-PFNA	89%		50-150%
	13C6-PFDA	89%		50-150%
	13C7-PFUnDA	89%		40-140%
	13C2-PFDoDA	87%		40-140%
	13C2-PFTeDA	94%		30-130%
	13C3-PFBS	84%		50-150%
	13C3-PFHxS	83%		50-150%
	13C8-PFOS	84%		50-150%
	13C8-FOSA	43%		30-130%
	d3-MeFOSAA	86%		40-140%
	d5-EtFOSAA	90%		40-140%
	13C2-4:2FTS	82%		50-150%
	13C2-6:2FTS	82%		50-150%
	13C2-8:2FTS	82%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH09-10		
Lab Sample ID:	FA94723-6	**Date Sampled:**	04/07/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	79.7
Project:	1221457		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q89365.D	1	04/17/22 19:43	JB	04/11/22 06:30	OP90682	S2Q1254
Run #2 [a]	2Q89271.D	10	04/16/22 16:53	JB	04/11/22 06:30	OP90682	S2Q1252

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2	2.04 g	1.0 ml

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00062 U	0.0012	0.00062	0.00047	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
375-95-1	Perfluorononanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00062 U	0.0012	0.00062	0.00033	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00062 U	0.0012	0.00062	0.00025	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA [b]	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0012 U	0.0031	0.0012	0.00062	mg/kg	
2991-50-6	EtFOSAA	0.0012 U	0.0031	0.0012	0.00062	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00062 U	0.0012	0.00062	0.00031	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH09-10		
Lab Sample ID:	FA94723-6	**Date Sampled:**	04/07/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	79.7
Project:	1221457		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00062 U	0.0012	0.00062	0.00031	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	66%	64%	40-140%
	13C5-PFPeA	67%	65%	50-150%
	13C5-PFHxA	68%	65%	50-150%
	13C4-PFHpA	70%	67%	50-150%
	13C8-PFOA	71%	69%	50-150%
	13C9-PFNA	68%	68%	50-150%
	13C6-PFDA	69%	66%	50-150%
	13C7-PFUnDA	68%	65%	40-140%
	13C2-PFDoDA	67%	65%	40-140%
	13C2-PFTeDA	73%	70%	30-130%
	13C3-PFBS	66%	64%	50-150%
	13C3-PFHxS	65%	65%	50-150%
	13C8-PFOS	65%	66%	50-150%
	13C8-FOSA	27% [c]	24% [c]	30-130%
	d3-MeFOSAA	67%	67%	40-140%
	d5-EtFOSAA	70%	71%	40-140%
	13C2-4:2FTS	63%	60%	50-150%
	13C2-6:2FTS	64%	63%	50-150%
	13C2-8:2FTS	64%	64%	50-150%

(a) Confirmation run.
(b) Associated ID Standard outside control limits.
(c) Outside control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH09-00		
Lab Sample ID:	FA94723-7	**Date Sampled:**	04/07/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	78.9
Project:	1221457		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q89366.D	1	04/17/22 20:00	JB	04/11/22 06:30	OP90682	S2Q1254
Run #2							

	Initial Weight	Final Volume
Run #1	2.03 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00062 U	0.0012	0.00062	0.00047	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
375-95-1	Perfluorononanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00062 U	0.0012	0.00062	0.00033	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00062 U	0.0012	0.00062	0.00025	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.0012 U	0.0031	0.0012	0.00062	mg/kg	
2991-50-6	EtFOSAA	0.0012 U	0.0031	0.0012	0.00062	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00062 U	0.0012	0.00062	0.00031	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00062 U	0.0012	0.00062	0.00031	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH09-00		
Lab Sample ID:	FA94723-7	**Date Sampled:**	04/07/22
Matrix:	SO - Soil	**Date Received:**	04/09/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	78.9
Project:	1221457		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00062 U	0.0012	0.00062	0.00031	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	84%		40-140%
	13C5-PFPeA	85%		50-150%
	13C5-PFHxA	86%		50-150%
	13C4-PFHpA	89%		50-150%
	13C8-PFOA	89%		50-150%
	13C9-PFNA	86%		50-150%
	13C6-PFDA	88%		50-150%
	13C7-PFUnDA	87%		40-140%
	13C2-PFDoDA	86%		40-140%
	13C2-PFTeDA	92%		30-130%
	13C3-PFBS	82%		50-150%
	13C3-PFHxS	82%		50-150%
	13C8-PFOS	82%		50-150%
	13C8-FOSA	44%		30-130%
	d3-MeFOSAA	89%		40-140%
	d5-EtFOSAA	91%		40-140%
	13C2-4:2FTS	81%		50-150%
	13C2-6:2FTS	81%		50-150%
	13C2-8:2FTS	80%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Section 5

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
4:2 Fluorotelomer sulfonate	757124-72-4	EPA 537M BY ID	SO	Certified by SOP MS014
6:2 Fluorotelomer sulfonate	27619-97-2	EPA 537M BY ID	SO	Certified by SOP MS014
8:2 Fluorotelomer sulfonate	39108-34-4	EPA 537M BY ID	SO	Certified by SOP MS014
EtFOSAA	2991-50-6	EPA 537M BY ID	SO	Certified by SOP MS014
MeFOSAA	2355-31-9	EPA 537M BY ID	SO	Certified by SOP MS014
PFOSA	754-91-6	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorobutanesulfonic acid	375-73-5	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorobutanoic acid	375-22-4	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorodecanesulfonic acid	335-77-3	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorodecanoic acid	335-76-2	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorododecanoic acid	307-55-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoroheptanesulfonic acid	375-92-8	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoroheptanoic acid	375-85-9	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorohexanesulfonic acid	355-46-4	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorohexanoic acid	307-24-4	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorononanesulfonic acid	68259-12-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorononanoic acid	375-95-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorooctanesulfonic acid	1763-23-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorooctanoic acid	335-67-1	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoropentanesulfonic acid	2706-91-4	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoropentanoic acid	2706-90-3	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorotetradecanoic acid	376-06-7	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluorotridecanoic acid	72629-94-8	EPA 537M BY ID	SO	Certified by SOP MS014
Perfluoroundecanoic acid	2058-94-8	EPA 537M BY ID	SO	Certified by SOP MS014

SGS North America Inc.
CHAIN OF CUSTODY RECORD

CLIENT:	SGS North America Inc. - Alaska Division	SGS Reference:	SGS, Orlando, FL
CONTACT:	Julie Shumway	PHONE NO: (907) 562-2343	Additional Comments: All soils report out in dry weig
PROJECT NAME:	1221457	PWSID#: / NPDL#:	
REPORTS TO: Julie Shumway		E-MAIL: Julie.Shumway@sgs.com; Env.Alaska.RefLabTeam@sgs.com	
INVOICE TO: SGS - Alaska; env.alaska.accounting@sgs.com		QUOTE #: / P.O. #: 1221457	

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HHMM	MATRIX/ MATRIX CODE	# CONTAINERS	Preservative Used: NONE	TYPE C = COMP G = GRAB MI = Multi Incremental Soils	EPA 537 PFAS-CONFIRM LIST				MS	MSD	SGS lab #
1	22SAP-SO-TH28-05	03/30/2022	09:10:00	SO	1			X						1221457001
2	22SAP-SO-TH25-10	03/30/2022	13:12	SO	1			X						1221457002
3	22SAP-SO-TH21-7.5	04/03/2022	09:37:00	SO	1			X						1221457003
4	22SAP-SO-TH19-10	04/05/2022	09:30:00	SO	1			X						1221457004
5	22SAP-SO-TH15-05	04/05/2022	14:29:00	SO	1			X						1221457005
6	22SAP-SO-TH09-10	04/07/2022	10:05:00	SO	1			X						1221457006
7	22SAP-SO-TH09-00	04/07/2022	10:10:00	SO	1			X						1221457007

FA94723: Chain of Custody

	Date	Time		
Relinquished By: (1)	4/8/22	0952	Received By:	4/9/22 930
Relinquished By: (2)	Date	Time	Received By:	
Relinquished By: (3)	Date	Time	Received By:	
Relinquished By: (4)	Date	Time	Received For Laboratory By:	

DOD Project? YES NO

Report to DL (J Flags)? YES
If J- Report as DL/LOD/LOQ.

Cooler ID:

Requested Turnaround Time

AIRPORT SAMPLE

Temp Blank °C:

or Ambient [ ]

[X 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
[5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms_and_cond

SGS Sample Receipt Summary

Job Number: FA94723 **Client:** SGS ALASKA **Project:** 1221457

Date / Time Received: 4/9/2022 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 1483 4802 1741

Therm ID: IR 1; **Therm CF:** 0.4; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.2);

Cooler Temps (Corrected) °C: Cooler 1: (3.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: SAMUELM Date: 4/9/2022 9:30:00 AM Reviewer: _____ Date: _____

5.2

FA94723: Chain of Custody
Page 2 of 2

MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90682-MB	2Q89260.D	1	04/16/22	JB	04/11/22	OP90682	S2Q1252

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA94723-1, FA94723-2, FA94723-3, FA94723-4, FA94723-5, FA94723-6, FA94723-7

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.50	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.50	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.50	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.50	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.50	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.50	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.50	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.50	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.50	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.50	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	0.50	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.50	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.50	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.50	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.50	0.20	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	0.50	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.50	0.25	ug/kg	
754-91-6	PFOSA	ND	0.50	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.50	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.50	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	102%	40-140%
	13C5-PFPeA	103%	50-150%
	13C5-PFHxA	104%	50-150%
	13C4-PFHpA	107%	50-150%
	13C8-PFOA	108%	50-150%
	13C9-PFNA	105%	50-150%
	13C6-PFDA	107%	50-150%
	13C7-PFUnDA	106%	40-140%

Method Blank Summary

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90682-MB	2Q89260.D	1	04/16/22	JB	04/11/22	OP90682	S2Q1252

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA94723-1, FA94723-2, FA94723-3, FA94723-4, FA94723-5, FA94723-6, FA94723-7

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	104%	40-140%
	13C2-PFTeDA	114%	30-130%
	13C3-PFBS	101%	50-150%
	13C3-PFHxS	99%	50-150%
	13C8-PFOS	101%	50-150%
	13C8-FOSA	42%	30-130%
	d3-MeFOSAA	107%	40-140%
	d5-EtFOSAA	113%	40-140%
	13C2-4:2FTS	98%	50-150%
	13C2-6:2FTS	99%	50-150%
	13C2-8:2FTS	99%	50-150%

Instrument Blank

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S2Q1254-IBLK	2Q89354.D	1	04/17/22	JB	n/a	n/a	S2Q1254

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94723-1, FA94723-2, FA94723-3, FA94723-4, FA94723-5, FA94723-6, FA94723-7

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	1.0	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	1.0	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	1.0	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	1.0	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	1.0	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	1.0	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	1.0	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	1.0	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	1.0	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.0	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.0	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	1.0	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	1.0	0.25	ug/kg	
754-91-6	PFOSA	ND	1.0	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.25	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.25	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	114%	50-150%
	13C5-PFPeA	117%	50-150%
	13C5-PFHxA	117%	50-150%
	13C4-PFHpA	118%	50-150%
	13C8-PFOA	120%	50-150%
	13C9-PFNA	116%	50-150%
	13C6-PFDA	113%	50-150%
	13C7-PFUnDA	113%	50-150%

Instrument Blank

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S2Q1254-IBLK	2Q89354.D	1	04/17/22	JB	n/a	n/a	S2Q1254

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94723-1, FA94723-2, FA94723-3, FA94723-4, FA94723-5, FA94723-6, FA94723-7

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	111%	50-150%
	13C2-PFTeDA	110%	50-150%
	13C3-PFBS	113%	50-150%
	13C3-PFHxS	109%	50-150%
	13C8-PFOS	111%	50-150%
	13C8-FOSA	119%	50-150%
	d3-MeFOSA	107%	50-150%
	d3-MeFOSAA	111%	50-150%
	d5-EtFOSAA	117%	50-150%
	13C2-4:2FTS	110%	50-150%
	13C2-6:2FTS	108%	50-150%
	13C2-8:2FTS	108%	50-150%
	13C3-HFPO-DA	100%	50-150%

Instrument Blank

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S2Q1252-IBLK	2Q89188.D	1	04/15/22	JB	n/a	n/a	S2Q1252

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

OP90682-BS

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	1.0	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	1.0	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	1.0	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	1.0	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	1.0	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	1.0	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	1.0	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	1.0	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	1.0	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.0	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.0	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	1.0	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	1.0	0.25	ug/kg	
754-91-6	PFOSA	ND	1.0	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.25	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.25	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	115%	50-150%
	13C5-PFPeA	117%	50-150%
	13C5-PFHxA	119%	50-150%
	13C4-PFHpA	119%	50-150%
	13C8-PFOA	122%	50-150%
	13C9-PFNA	118%	50-150%
	13C6-PFDA	115%	50-150%
	13C7-PFUnDA	114%	50-150%

Instrument Blank

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S2Q1252-IBLK	2Q89188.D	1	04/15/22	JB	n/a	n/a	S2Q1252

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

OP90682-BS

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	114%	50-150%
	13C2-PFTeDA	116%	50-150%
	13C3-PFBS	114%	50-150%
	13C3-PFHxS	112%	50-150%
	13C8-PFOS	114%	50-150%
	13C8-FOSA	120%	50-150%
	d3-MeFOSA	112%	50-150%
	d3-MeFOSAA	117%	50-150%
	d5-EtFOSAA	123%	50-150%
	13C2-4:2FTS	110%	50-150%
	13C2-6:2FTS	111%	50-150%
	13C2-8:2FTS	111%	50-150%
	13C3-HFPO-DA	106%	50-150%

Blank Spike Summary

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90682-BS	2Q89259.D	1	04/16/22	JB	04/11/22	OP90682	S2Q1252

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA94723-1, FA94723-2, FA94723-3, FA94723-4, FA94723-5, FA94723-6, FA94723-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
375-22-4	Perfluorobutanoic acid	10	10.1	101	70-130
2706-90-3	Perfluoropentanoic acid	10	9.7	97	70-130
307-24-4	Perfluorohexanoic acid	10	10.1	101	70-130
375-85-9	Perfluoroheptanoic acid	10	9.6	96	70-130
335-67-1	Perfluorooctanoic acid	10	9.9	99	70-130
375-95-1	Perfluorononanoic acid	10	9.4	94	70-130
335-76-2	Perfluorodecanoic acid	10	9.8	98	70-130
2058-94-8	Perfluoroundecanoic acid	10	9.8	98	70-130
307-55-1	Perfluorododecanoic acid	10	9.8	98	70-130
72629-94-8	Perfluorotridecanoic acid	10	10.1	101	70-130
376-06-7	Perfluorotetradecanoic acid	10	9.5	95	70-130
375-73-5	Perfluorobutanesulfonic acid	10	9.9	99	70-130
2706-91-4	Perfluoropentanesulfonic acid	10	10	100	70-130
355-46-4	Perfluorohexanesulfonic acid	10	10.1	101	70-130
375-92-8	Perfluoroheptanesulfonic acid	10	10.6	106	70-130
1763-23-1	Perfluorooctanesulfonic acid	10	9.4	94	70-130
68259-12-1	Perfluorononanesulfonic acid	10	9.9	99	70-130
335-77-3	Perfluorodecanesulfonic acid	10	9.6	96	65-135
754-91-6	PFOSA	10	9.6	96	70-130
2355-31-9	MeFOSAA	10	10.0	100	70-130
2991-50-6	EtFOSAA	10	9.7	97	70-130
757124-72-4	4:2 Fluorotelomer sulfonate	10	11.9	119	70-130
27619-97-2	6:2 Fluorotelomer sulfonate	10	11.7	117	70-130
39108-34-4	8:2 Fluorotelomer sulfonate	10	11.5	115	70-130

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	96%	40-140%
	13C5-PFPeA	97%	50-150%
	13C5-PFHxA	99%	50-150%
	13C4-PFHpA	100%	50-150%
	13C8-PFOA	101%	50-150%
	13C9-PFNA	102%	50-150%
	13C6-PFDA	102%	50-150%
	13C7-PFUnDA	100%	40-140%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90682-BS	2Q89259.D	1	04/16/22	JB	04/11/22	OP90682	S2Q1252

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA94723-1, FA94723-2, FA94723-3, FA94723-4, FA94723-5, FA94723-6, FA94723-7

CAS No.	ID Standard Recoveries	BSP	Limits
	13C2-PFDoDA	99%	40-140%
	13C2-PFTeDA	109%	30-130%
	13C3-PFBS	96%	50-150%
	13C3-PFHxS	93%	50-150%
	13C8-PFOS	98%	50-150%
	13C8-FOSA	32%	30-130%
	d3-MeFOSAA	104%	40-140%
	d5-EtFOSAA	102%	40-140%
	13C2-4:2FTS	99%	50-150%
	13C2-6:2FTS	98%	50-150%
	13C2-8:2FTS	100%	50-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90682-MS	2Q89358.D	50	04/17/22	JB	04/11/22	OP90682	S2Q1254
OP90682-MSD	2Q89359.D	50	04/17/22	JB	04/11/22	OP90682	S2Q1254
FA94722-1	2Q89261.D	10	04/16/22	JB	04/11/22	OP90682	S2Q1252
FA94722-1	2Q89357.D	50	04/17/22	JB	04/11/22	OP90682	S2Q1254

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA94723-1, FA94723-2, FA94723-3, FA94723-4, FA94723-5, FA94723-6, FA94723-7

CAS No.	Compound	FA94722-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
375-22-4	Perfluorobutanoic acid	9.5		13.1	ND	-73*	12.9	ND	-73*	nc	70-130/30
2706-90-3	Perfluoropentanoic acid	323		13.1	296	-207* [a]	12.9	275	-371* [a]	7	70-130/30
307-24-4	Perfluorohexanoic acid	102		13.1	101	-8* [a]	12.9	95.9	-47* [a]	5	70-130/30
375-85-9	Perfluoroheptanoic acid	14.2		13.1	23.6	72	12.9	21.6	57*	9	70-130/30
335-67-1	Perfluorooctanoic acid	56.6		13.1	59.1	19* [a]	12.9	54.0	-20* [a]	9	70-130/30
375-95-1	Perfluorononanoic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
335-76-2	Perfluorodecanoic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
2058-94-8	Perfluoroundecanoic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
307-55-1	Perfluorododecanoic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
72629-94-8	Perfluorotridecanoic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
376-06-7	Perfluorotetradecanoic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
375-73-5	Perfluorobutanesulfonic acid	18.9		13.1	28.1	70	12.9	25.3	50*	10	70-130/30
2706-91-4	Perfluoropentanesulfonic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
355-46-4	Perfluorohexanesulfonic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
375-92-8	Perfluoroheptanesulfonic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
1763-23-1	Perfluorooctanesulfonic acid	8.4		13.1	21.7	102	12.9	16.9	66*	25	70-130/30
68259-12-1	Perfluorononanesulfonic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
335-77-3	Perfluorodecanesulfonic acid	ND		13.1	ND	0*	12.9	ND	0*	nc	65-135/30
754-91-6	PFOSA	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
2355-31-9	MeFOSAA	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
2991-50-6	EtFOSAA	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
757124-72-4	4:2 Fluorotelomer sulfonate	ND		13.1	ND	0*	12.9	ND	0*	nc	70-130/30
27619-97-2	6:2 Fluorotelomer sulfonate	659 [b]		13.1	648	-84* [a]	12.9	593	-511* [a]	9	70-130/30
39108-34-4	8:2 Fluorotelomer sulfonate	75.7		13.1	105	224* [a]	12.9	93.7	139* [a]	11	70-130/30

CAS No.	ID Standard Recoveries	MS	MSD	FA94722-1	FA94722-1	Limits
	13C4-PFBA	111%	113%	99%	108%	40-140%
	13C5-PFPeA	114%	116%	100%	111%	50-150%
	13C5-PFHxA	114%	116%	99%	110%	50-150%
	13C4-PFHpA	116%	116%	102%	112%	50-150%
	13C8-PFOA	117%	119%	100%	113%	50-150%
	13C9-PFNA	116%	115%	104%	111%	50-150%
	13C6-PFDA	111%	111%	91%	107%	50-150%
	13C7-PFUnDA	115%	115%	96%	111%	40-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA94723
Account: SGSAKA SGS North America, Inc
Project: 1221457

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90682-MS	2Q89358.D	50	04/17/22	JB	04/11/22	OP90682	S2Q1254
OP90682-MSD	2Q89359.D	50	04/17/22	JB	04/11/22	OP90682	S2Q1254
FA94722-1	2Q89261.D	10	04/16/22	JB	04/11/22	OP90682	S2Q1252
FA94722-1	2Q89357.D	50	04/17/22	JB	04/11/22	OP90682	S2Q1254

The QC reported here applies to the following samples: **Method:** EPA 537M BY ID

FA94723-1, FA94723-2, FA94723-3, FA94723-4, FA94723-5, FA94723-6, FA94723-7

CAS No.	ID Standard Recoveries	MS	MSD	FA94722-1	FA94722-1	Limits
	13C2-PFDoDA	116%	116%	92%	111%	40-140%
	13C2-PFTeDA	121%	121%	101%	116%	30-130%
	13C3-PFBS	111%	112%	99%	107%	50-150%
	13C3-PFHxS	107%	108%	94%	102%	50-150%
	13C8-PFOS	108%	111%	99%	106%	50-150%
	13C8-FOSA	116%	119%	101%	113%	30-130%
	d3-MeFOSAA	113%	115%	107%	113%	40-140%
	d5-EtFOSAA	122%	123%	101%	118%	40-140%
	13C2-4:2FTS	107%	107%	93%	103%	50-150%
	13C2-6:2FTS	111%	111%	353%* [c]	108%	50-150%
	13C2-8:2FTS	100%	100%	112%	96%	50-150%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Result is from Run #2.
(c) Outside control limits.

* = Outside of Control Limits.

Laboratory Report of Analysis

To: ChemTrack
11711 S Gambell St
Anchorage, AK 99515
(907)250-9337

Report Number: **1221610**

Client Project: **South Air Park**

Dear Forrest Janukajtis,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of ten years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of fourteen (14) days from the date of this report unless other archiving requirements were included in the quote.

If there are any questions about the report or services performed during this project, please call Justin at (907) 562-2343. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

_____

Justin Nelson Date
Project Manager
Justin.Nelson@sgs.com

SGS North America Inc. 200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Member of SGS Group

Case Narrative

SGS Client: **ChemTrack**
SGS Project: **1221610**
Project Name/Site: **South Air Park**
Project Contact: **Forrest Janukajtis**

Refer to sample receipt form for information on sample condition.

EPA 537M- PFAS Full List were analyzed by SGS of Orlando, FL.

*QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Print Date: 05/13/2022 9:41:17AM

Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
22SAP-SO-TH13-05	1221610001	04/13/2022	04/14/2022	Solid/Soil (Wet Weight)
22SAP-SO-TH12-10	1221610002	04/13/2022	04/14/2022	Solid/Soil (Wet Weight)
22SAP-SO-TH08-05	1221610003	04/13/2022	04/14/2022	Solid/Soil (Wet Weight)
22SAP-SO-TH08-00	1221610004	04/13/2022	04/14/2022	Solid/Soil (Wet Weight)
22SAP-SO-TH05-05	1221610005	04/14/2022	04/14/2022	Solid/Soil (Wet Weight)

Method	Method Description

Print Date: 05/13/2022 9:41:20AM

SGS

SGS North America Inc.
CHAIN OF CUSTODY RECORD

Profile # 373966 QM1

www.us.sgs.com

Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Section 1

CLIENT: ChemTrack

CONTACT: Forrest Jawkyjtis PHONE #: 907-250-9337

PROJECT NAME: South Air Park PROJECT/ PWSID/ PERMIT#:

REPORTS TO: forrest@chemtrack.net E-MAIL: Profile #: net

INVOICE TO: Lori@chemtrack.net QUOTE #: P.O. #:

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Comp Grab MI (Multi-incremental)	Analysis* PFAS EPA 537.1	REMARKS/LOC ID
1A	22SAP-SO-TH12-05	4/13/22	1000	SO	1	G	X	
2A	22SAP-SO-TH12-10	↓	1303	↓	↓	↓	X	
3A	22SAP-SO-TH05-05		1538				X	
4A	22SAP-SO-TH05-00		1540				X	
5A	22SAP-SO-TH05-05	4/14/22	1120				X	

1221610

NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS

Section 3 Preservative

Section 4 DOD Project? Yes (No)

Cooler ID: SAP03

Data Deliverable Requirements: Level 2

Requested Turnaround Time and/or Special Instructions:

standard * Airport Samples *

Temp Blank °C: 0.6 062 or Ambient [ ]

Chain of Custody Seal: (Circle) INTACT BROKEN (ABSENT)

Delivery Method: Hand Delivery [X] Commerical Delivery [ ]

Section 5

	Date	Time	
Relinquished By: (1) Forrest Jawkyjtis	4/14/22	1240	Received By:
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	4/14/22	13:16	Received For Laboratory By: COS

http://www.sgs.com/terms-and-conditions

e-Sample Receipt Form

SGS Workorder #: 1221610

Review	Condition (Yes, No, N/A)	
Chain of Custody / T		
DOD only: Did all sample		
If <0°C, were sample containers ice free?	N/A	
Note containers received with ice:		
Identify any containers received at non-compliant temperature: *(Use form FS-0029 if more space is needed)*		
Holding Time / Documentation / Sample Condition Requirements	*Note:* Refer to form F-083 "Sample Guide" for specific holding times and sample containers.	
Were samples received within analytical holding time?	Yes	
Do sample labels match COC? Record discrepancies.	No	
Note: *If information on containers differs from COC, default to COC information for login. If times differ <1hr, record details & login per COC.*		COC states 22SAP-SO-TH12-05 for container 1A, container states 22SAP-SO-TH13-05. Identification was input per COC.
Were analytical requests clear? *(i.e. method is specified for analyses with multiple option for method (Eg, BTEX 8021 vs 8260, Metals 6020 vs 200.8)*	Yes	
Were proper containers (type/mass/volume/preservative)used? Note: Exemption for metals analysis by 200.8/6020 in water.	Yes	
Volatile Analysis Requirements (VOC, GRO, LL-Hg, etc.)		
Were all soil VOAs received with a corresponding % solids container?	N/A	
Were Trip Blanks (e.g., VOAs, LL-Hg) in cooler with samples?	N/A	
Were all water VOA vials free of headspace (e.g., bubbles ≤ 6mm)?	N/A	
Were all soil VOAs field extracted with Methanol+BFB?	N/A	

Note to Client: Any "No", answer above indicates non-compliance with standard procedures and may impact data quality.

Additional notes (if applicable):

Sample Containers and Preservatives

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1221610001-A	No Preservative Required	OK			
1221610002-A	No Preservative Required	OK			
1221610003-A	No Preservative Required	OK			
1221610004-A	No Preservative Required	OK			
1221610005-A	No Preservative Required	OK			

Container Condition Glossary

Containers for bacteriological, low level mercury and VOA vials are not opened prior to analysis and will be assigned condition code OK unless evidence indicates than an inappropriate container was submitted.

OK - The container was received at an acceptable pH for the analysis requested.
BU - The container was received with headspace greater than 6mm.
DM - The container was received damaged.
FR - The container was received frozen and not usable for Bacteria or BOD analyses.
IC - The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.
NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.
PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
QN - Insufficient sample quantity provided.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SGS North America, Inc

1221610

SGS Job Number: FA94976

Sampling Dates: 04/13/22 - 04/14/22

Report to:

andrea.colby@sgs.com

Total number of pages in report: 34

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

May 13, 2022

Mr. Justin Nelson
SGS
200 West Potter Drive
Anchorage, AK 99518

RE: SGS North America Inc. - Orlando job FA94976 Reissue

Dear Mr. Nelson,

The final report for job number FA94976 has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

The sample ID on -1 has been changed per your request.

Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS North America, Inc. - Orlando

Florida ♦ 4405 Vineland Road ♦ Suite B-15 ♦ Orlando, FL 32811 ♦ tel: 407 425-6700 ♦ fax: 407 425-0707

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Sample Summary

SGS North America, Inc

1221610

Job No: FA94976

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA94976-1	04/13/22	10:00		04/19/22	SO	Soil	22SAP-SO-TH13-05
FA94976-2	04/13/22	13:03		04/19/22	SO	Soil	22SAP-SO-TH12-10
FA94976-3	04/13/22	15:38		04/19/22	SO	Soil	22SAP-SO-TH08-05
FA94976-4	04/13/22	15:40		04/19/22	SO	Soil	22SAP-SO-TH08-00
FA94976-5	04/14/22	11:20		04/19/22	SO	Soil	22SAP-SO-TH05-05

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: SGS North America, Inc **Job No:** FA94976

Site: 1221610 **Report Date** 5/5/2022 5:26:43 PM

On 04/19/2022, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FA94976 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method EPA 537M QSM5.3 B-15

Matrix: SO **Batch ID:** OP90927

Sample(s) FA94976-1MS, FA94976-1MSD were used as the QC samples indicated.

General Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN91125

Sample(s) FA94867-6RDUP were used as the QC samples for Solids, Percent.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (Signature on File)

Summary of Hits

Job Number: FA94976
Account: SGS North America, Inc
Project: 1221610
Collected: 04/13/22 thru 04/14/22

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA94976-1	**22SAP-SO-TH13-05**					
No hits reported in this sample.						
FA94976-2	**22SAP-SO-TH12-10**					
No hits reported in this sample.						
FA94976-3	**22SAP-SO-TH08-05**					
No hits reported in this sample.						
FA94976-4	**22SAP-SO-TH08-00**					
No hits reported in this sample.						
FA94976-5	**22SAP-SO-TH05-05**					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	22SAP-SO-TH13-05		
Lab Sample ID:	FA94976-1	**Date Sampled:**	04/13/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	89.8
Project:	1221610		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q28303.D	1	05/03/22 14:47	MV	04/26/22 06:30	OP90927	S4Q402
Run #2							

	Initial Weight	Final Volume
Run #1	2.01 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00055 U	0.0011	0.00055	0.00042	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-95-1	Perfluorononanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00055 U	0.0011	0.00055	0.00029	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
2991-50-6	EtFOSAA	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH13-05		
Lab Sample ID:	FA94976-1	**Date Sampled:**	04/13/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	89.8
Project:	1221610		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	87%		50-150%
	13C5-PFPeA	86%		50-150%
	13C5-PFHxA	87%		50-150%
	13C4-PFHpA	88%		50-150%
	13C8-PFOA	96%		50-150%
	13C9-PFNA	93%		50-150%
	13C6-PFDA	97%		50-150%
	13C7-PFUnDA	90%		50-150%
	13C2-PFDoDA	90%		50-150%
	13C2-PFTeDA	96%		50-150%
	13C3-PFBS	93%		50-150%
	13C3-PFHxS	95%		50-150%
	13C8-PFOS	94%		50-150%
	13C8-FOSA	81%		50-150%
	d3-MeFOSAA	105%		50-150%
	d5-EtFOSAA	109%		50-150%
	13C2-4:2FTS	89%		50-150%
	13C2-6:2FTS	98%		50-150%
	13C2-8:2FTS	95%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH12-10		
Lab Sample ID:	FA94976-2	**Date Sampled:**	04/13/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	80.7
Project:	1221610		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q28308.D	1	05/03/22 16:07	MV	04/26/22 06:30	OP90927	S4Q402
Run #2							

	Initial Weight	Final Volume
Run #1	2.13 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00058 U	0.0012	0.00058	0.00044	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-95-1	Perfluorononanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00058 U	0.0012	0.00058	0.00031	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
2991-50-6	EtFOSAA	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH12-10		
Lab Sample ID:	FA94976-2	**Date Sampled:**	04/13/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	80.7
Project:	1221610		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	97%		50-150%
	13C5-PFPeA	95%		50-150%
	13C5-PFHxA	94%		50-150%
	13C4-PFHpA	96%		50-150%
	13C8-PFOA	103%		50-150%
	13C9-PFNA	100%		50-150%
	13C6-PFDA	103%		50-150%
	13C7-PFUnDA	96%		50-150%
	13C2-PFDoDA	95%		50-150%
	13C2-PFTeDA	102%		50-150%
	13C3-PFBS	98%		50-150%
	13C3-PFHxS	100%		50-150%
	13C8-PFOS	99%		50-150%
	13C8-FOSA	107%		50-150%
	d3-MeFOSAA	114%		50-150%
	d5-EtFOSAA	116%		50-150%
	13C2-4:2FTS	93%		50-150%
	13C2-6:2FTS	104%		50-150%
	13C2-8:2FTS	100%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH08-05		
Lab Sample ID:	FA94976-3	**Date Sampled:**	04/13/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	85.0
Project:	1221610		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q28309.D	1	05/03/22 16:23	MV	04/26/22 06:30	OP90927	S4Q402
Run #2							

	Initial Weight	Final Volume
Run #1	2.02 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00058 U	0.0012	0.00058	0.00044	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-95-1	Perfluorononanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00058 U	0.0012	0.00058	0.00031	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
2991-50-6	EtFOSAA	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH08-05		
Lab Sample ID:	FA94976-3	**Date Sampled:**	04/13/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	85.0
Project:	1221610		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00058 U	0.0012	0.00058	0.00029	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		50-150%
	13C5-PFPeA	87%		50-150%
	13C5-PFHxA	87%		50-150%
	13C4-PFHpA	88%		50-150%
	13C8-PFOA	96%		50-150%
	13C9-PFNA	93%		50-150%
	13C6-PFDA	96%		50-150%
	13C7-PFUnDA	89%		50-150%
	13C2-PFDoDA	89%		50-150%
	13C2-PFTeDA	95%		50-150%
	13C3-PFBS	90%		50-150%
	13C3-PFHxS	95%		50-150%
	13C8-PFOS	93%		50-150%
	13C8-FOSA	76%		50-150%
	d3-MeFOSAA	105%		50-150%
	d5-EtFOSAA	108%		50-150%
	13C2-4:2FTS	87%		50-150%
	13C2-6:2FTS	97%		50-150%
	13C2-8:2FTS	93%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH08-00		
Lab Sample ID:	FA94976-4	**Date Sampled:**	04/13/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	85.6
Project:	1221610		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q28310.D	1	05/03/22 16:39	MV	04/26/22 06:30	OP90927	S4Q402
Run #2							

	Initial Weight	Final Volume
Run #1	2.11 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00055 U	0.0011	0.00055	0.00042	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-95-1	Perfluorononanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00055 U	0.0011	0.00055	0.00029	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
2991-50-6	EtFOSAA	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH08-00		
Lab Sample ID:	FA94976-4	**Date Sampled:**	04/13/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	85.6
Project:	1221610		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00055 U	0.0011	0.00055	0.00028	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	94%		50-150%
	13C5-PFPeA	92%		50-150%
	13C5-PFHxA	92%		50-150%
	13C4-PFHpA	93%		50-150%
	13C8-PFOA	102%		50-150%
	13C9-PFNA	101%		50-150%
	13C6-PFDA	102%		50-150%
	13C7-PFUnDA	95%		50-150%
	13C2-PFDoDA	94%		50-150%
	13C2-PFTeDA	101%		50-150%
	13C3-PFBS	97%		50-150%
	13C3-PFHxS	100%		50-150%
	13C8-PFOS	97%		50-150%
	13C8-FOSA	67%		50-150%
	d3-MeFOSAA	108%		50-150%
	d5-EtFOSAA	114%		50-150%
	13C2-4:2FTS	93%		50-150%
	13C2-6:2FTS	102%		50-150%
	13C2-8:2FTS	101%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH05-05		
Lab Sample ID:	FA94976-5	**Date Sampled:**	04/14/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	94.1
Project:	1221610		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4Q28311.D	1	05/03/22 16:55	MV	04/26/22 06:30	OP90927	S4Q402
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-22-4	Perfluorobutanoic acid	0.00053 U	0.0011	0.00053	0.00040	mg/kg	
2706-90-3	Perfluoropentanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
307-24-4	Perfluorohexanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
375-85-9	Perfluoroheptanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
335-67-1	Perfluorooctanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
375-95-1	Perfluorononanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
335-76-2	Perfluorodecanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
2058-94-8	Perfluoroundecanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
307-55-1	Perfluorododecanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
72629-94-8	Perfluorotridecanoic acid	0.00053 U	0.0011	0.00053	0.00028	mg/kg	
376-06-7	Perfluorotetradecanoic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
PERFLUOROALKYLSULFONIC ACIDS							
375-73-5	Perfluorobutanesulfonic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
2706-91-4	Perfluoropentanesulfonic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
375-92-8	Perfluoroheptanesulfonic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
68259-12-1	Perfluorononanesulfonic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
335-77-3	Perfluorodecanesulfonic acid	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
PERFLUOROOCTANESULFONAMIDES							
754-91-6	PFOSA	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS							
2355-31-9	MeFOSAA	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
2991-50-6	EtFOSAA	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
FLUOROTELOMER SULFONATES							
757124-72-4	4:2 Fluorotelomer sulfonate	0.00053 U	0.0011	0.00053	0.00027	mg/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	0.00053 U	0.0011	0.00053	0.00027	mg/kg	

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LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	22SAP-SO-TH05-05		
Lab Sample ID:	FA94976-5	**Date Sampled:**	04/14/22
Matrix:	SO - Soil	**Date Received:**	04/19/22
Method:	EPA 537M QSM5.3 B-15 IN HOUSE	**Percent Solids:**	94.1
Project:	1221610		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
39108-34-4	8:2 Fluorotelomer sulfonate	0.00053 U	0.0011	0.00053	0.00027	mg/kg	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	60%		50-150%
	13C5-PFPeA	63%		50-150%
	13C5-PFHxA	66%		50-150%
	13C4-PFHpA	71%		50-150%
	13C8-PFOA	84%		50-150%
	13C9-PFNA	82%		50-150%
	13C6-PFDA	87%		50-150%
	13C7-PFUnDA	80%		50-150%
	13C2-PFDoDA	81%		50-150%
	13C2-PFTeDA	88%		50-150%
	13C3-PFBS	84%		50-150%
	13C3-PFHxS	84%		50-150%
	13C8-PFOS	88%		50-150%
	13C8-FOSA	67%		50-150%
	d3-MeFOSAA	79%		50-150%
	d5-EtFOSAA	83%		50-150%
	13C2-4:2FTS	78%		50-150%
	13C2-6:2FTS	89%		50-150%
	13C2-8:2FTS	87%		50-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

FA94976

SGS North America Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
Alaska Florida
New Jersey Colorado
Texas North Carolina
Virginia Louisiana
www.us.sgs.com

CLIENT:	SGS North America Inc. - Alaska Division	SGS Reference:	SGS Orlando, FL
CONTACT:	Julie Shumway	PHONE NO: (907) 562-2343	Additional Comments: All soils report out in dry weight unless
PROJECT NAME:	1221610	PWSID#:	
		NPDL#:	
REPORTS TO: Julie Shumway		E-MAIL: Julie.Shumway@sgs.com; Env.Alaska.RefLabTeam@sgs.com	
INVOICE TO: SGS - Alaska		QUOTE #:	
env.alaska.accounting@sgs.com		P.O. #: 1221610	

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RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HHMM	MATRIX/ MATRIX CODE	# CONTAINERS	Preservative Used: NONE	TYPE C = COMP G = GRAB MI = Multi Incremental Soils	EPA 537M - PFAS Full List				MS	MSD	SGS lab #	Location ID
1	22SAP-SO-TH12-05	04/13/2022	10:00:00	Solid	1			X						1221610001	
2	22SAP-SO-TH12-10	04/13/2022	13:03:00	Solid	1			X						1221610002	
3	22SAP-SO-TH08-05	04/13/2022	15:38:00	Solid	1			X						1221610003	
4	22SAP-SO-TH08-00	04/13/2022	15:40:00	Solid	1			X						1221610004	
5	22SAP-SO-TH05-05	04/14/2022	11:20:00	Solid	1			X						1221610005	

	Date	Time	Received By:
Relinquished By: (1)	4/18/22	2090	Received By: 4/19/22 1530
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

DOD Project? YES
Report to DL (J Flags)? YES
If J- Report as DL/LOD/LOQ.
Data Deliverable Requirements: Level 2 + SGS EDD
Cooler ID:
Requested Turnaround Time and-or Special Instructions:
FOLLOW COC / NOT JAR.
Airport Samples - May have high concentrations.
Temp Blank °C: 3.9
or Ambient [ ]
Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

[X 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
[ ] 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms_and_conditions.htm

INITIAL ASSESSMENT
LABEL VERIFICATION

F088_COC_REF_LAB_20190411

FA94976: Chain of Custody
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SGS Sample Receipt Summary

Job Number: FA94976 **Client:** SGS ALASKA **Project:** 1221610

Date / Time Received: 4/19/2022 3:30:00 PM **Delivery Method:** FEDEX **Airbill #'s:** 1483 4802 2049

Therm ID: IR 1; **Therm CF:** 0.4; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: SAMUELM Date: 4/19/2022 3:30:00 PM Reviewer: _____ Date: _____

5.1

FA94976: Chain of Custody
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Job Change Order: FA94976

Requested Date:	5/13/2022	**Received Date:**	4/19/2022
Account Name:	SGS North America, Inc	**Due Date:**	5/3/2022
Project Description:	1221610	**Deliverable:**	COMMBN
CSR:	AC	**TAT (Days):**	1

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Sample #: FA94976-1

Dept:

TAT: 1

22SAP-SO-TH13-05

Change:
Please change the sample ID to 22SAP-SO-TH13-05

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Above Changes Per: Justin Nelson **Date/Time:** 5/13/2022 8:57:26 AM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

SGS North America Inc.
CHAIN OF CUSTODY RECORD

1221610

Locations Nationwide

Alaska	Florida
New Jersey	Colorado
Texas	North Carolina
Virginia	Louisiana

www.us.sgs.com

CLIENT:	SGS North America Inc. - Alaska Division	**SGS Reference:**	SGS Orlando, FL
CONTACT:	Julie Shumway	**PHONE NO:**	(907) 562-2343
PROJECT NAME:	1221610	**PWSID#:**	
		NPDL#:	
REPORTS TO:	Julie Shumway	**E-MAIL:**	Julie.Shumway@sgs.com; Env.Alaska.RefLabTeam@sgs.com
INVOICE TO:	SGS - Alaska	**QUOTE #:**	
	env.alaska.accounting@sgs.com	**P.O. #:**	1221610

Additional Comments: All soils report out in dry weight unless

Page 1 of 1

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HHMM	MATRIX/ MATRIX CODE	# FRQWDLQHUV	Preserv-ative Used: TYPE C = COMP G = GRAB MI = Multi Incre-mental Soils	QFQH	EPA 537M - PFAS Full List			MS	MSD	SGS lab #	OrfdwlrRRR
	22SAP-SO-TH13-05	04/13/2022	10:00:00	Solid	1		X						1221610001	
	22SAP-SO-TH12-10	04/13/2022	13:03:00	Solid	1		X						1221610002	
	22SAP-SO-TH08-05	04/13/2022	15:38:00	Solid	1		X						1221610003	
	22SAP-SO-TH08-00	04/13/2022	15:40:00	Solid	1		X						1221610004	
	22SAP-SO-TH05-05	04/14/2022	11:20:00	Solid	1		X						1221610005	

Relinquished By: (1)	**Date**	**Time**	**Received By:**	**DOD Project?**	**YES**
				Report to DL (J Flags)? If J- Report as DL/LOD/LOQ.	**YES**
Relinquished By: (2)	**Date**	**Time**	**Received By:**	**Cooler ID:**	
Relinquished By: (3)	**Date**	**Time**	**Received By:**	**Temp Blank °C:**	
Relinquished By: (4)	**Date**	**Time**	**Received For Laboratory By:**	**or Ambient [ ]**	

Data Deliverable Requirements:
Level 2 + SGS EDD

Requested Turnaround Time and-or Special Instructions:
Airport Samples - May have high concentrations.

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

[X]200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
[ ]5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms_and_conditions.htm

F088_COC_REF_LAB_20190411

QC Evaluation: DOD QSM5.x Limits

Job Number: FA94976
Account: SGS North America, Inc
Project: 1221610
Collected: 04/13/22 thru 04/14/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP90927	EPA 537M QSM5.3 B-15						
OP90927-BS	375-22-4	Perfluorobutanoic acid	BSP	REC	100	%	71-135
OP90927-BS	2706-90-3	Perfluoropentanoic acid	BSP	REC	97	%	69-132
OP90927-BS	307-24-4	Perfluorohexanoic acid	BSP	REC	97	%	70-132
OP90927-BS	375-85-9	Perfluoroheptanoic acid	BSP	REC	100	%	71-131
OP90927-BS	335-67-1	Perfluorooctanoic acid	BSP	REC	94	%	69-133
OP90927-BS	375-95-1	Perfluorononanoic acid	BSP	REC	92	%	72-129
OP90927-BS	335-76-2	Perfluorodecanoic acid	BSP	REC	98	%	69-133
OP90927-BS	2058-94-8	Perfluoroundecanoic acid	BSP	REC	98	%	64-136
OP90927-BS	307-55-1	Perfluorododecanoic acid	BSP	REC	94	%	69-135
OP90927-BS	72629-94-8	Perfluorotridecanoic acid	BSP	REC	102	%	66-139
OP90927-BS	376-06-7	Perfluorotetradecanoic acid	BSP	REC	95	%	69-133
OP90927-BS	375-73-5	Perfluorobutanesulfonic acid	BSP	REC	99	%	72-128
OP90927-BS	2706-91-4	Perfluoropentanesulfonic acid	BSP	REC	98	%	73-123
OP90927-BS	355-46-4	Perfluorohexanesulfonic acid	BSP	REC	93	%	67-130
OP90927-BS	375-92-8	Perfluoroheptanesulfonic acid	BSP	REC	97	%	70-132
OP90927-BS	1763-23-1	Perfluorooctanesulfonic acid	BSP	REC	97	%	68-136
OP90927-BS	68259-12-1	Perfluorononanesulfonic acid	BSP	REC	93	%	69-125
OP90927-BS	335-77-3	Perfluorodecanesulfonic acid	BSP	REC	98	%	59-134
OP90927-BS	754-91-6	PFOSA	BSP	REC	101	%	67-137
OP90927-BS	2355-31-9	MeFOSAA	BSP	REC	98	%	63-144
OP90927-BS	2991-50-6	EtFOSAA	BSP	REC	98	%	61-139
OP90927-BS	757124-72-4	4:2 Fluorotelomer sulfonate	BSP	REC	101	%	62-145
OP90927-BS	27619-97-2	6:2 Fluorotelomer sulfonate	BSP	REC	100	%	64-140
OP90927-BS	39108-34-4	8:2 Fluorotelomer sulfonate	BSP	REC	103	%	65-137
OP90927-MS	375-22-4	Perfluorobutanoic acid	MS	REC	97	%	71-135
OP90927-MS	2706-90-3	Perfluoropentanoic acid	MS	REC	96	%	69-132
OP90927-MS	307-24-4	Perfluorohexanoic acid	MS	REC	95	%	70-132
OP90927-MS	375-85-9	Perfluoroheptanoic acid	MS	REC	98	%	71-131
OP90927-MS	335-67-1	Perfluorooctanoic acid	MS	REC	92	%	69-133
OP90927-MS	375-95-1	Perfluorononanoic acid	MS	REC	91	%	72-129
OP90927-MS	335-76-2	Perfluorodecanoic acid	MS	REC	95	%	69-133
OP90927-MS	2058-94-8	Perfluoroundecanoic acid	MS	REC	96	%	64-136
OP90927-MS	307-55-1	Perfluorododecanoic acid	MS	REC	92	%	69-135
OP90927-MS	72629-94-8	Perfluorotridecanoic acid	MS	REC	101	%	66-139
OP90927-MS	376-06-7	Perfluorotetradecanoic acid	MS	REC	93	%	69-133
OP90927-MS	375-73-5	Perfluorobutanesulfonic acid	MS	REC	97	%	72-128
OP90927-MS	2706-91-4	Perfluoropentanesulfonic acid	MS	REC	100	%	73-123
OP90927-MS	355-46-4	Perfluorohexanesulfonic acid	MS	REC	96	%	67-130
OP90927-MS	375-92-8	Perfluoroheptanesulfonic acid	MS	REC	99	%	70-132
OP90927-MS	1763-23-1	Perfluorooctanesulfonic acid	MS	REC	94	%	68-136
OP90927-MS	68259-12-1	Perfluorononanesulfonic acid	MS	REC	96	%	69-125
OP90927-MS	335-77-3	Perfluorodecanesulfonic acid	MS	REC	99	%	59-134

* Sample used for QC is not from job FA94976

QC Evaluation: DOD QSM5.x Limits

Job Number: FA94976
Account: SGS North America, Inc
Project: 1221610
Collected: 04/13/22 thru 04/14/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP90927-MS	754-91-6	PFOSA	MS	REC	100	%	67-137
OP90927-MS	2355-31-9	MeFOSAA	MS	REC	97	%	63-144
OP90927-MS	2991-50-6	EtFOSAA	MS	REC	92	%	61-139
OP90927-MS	757124-72-4	4:2 Fluorotelomer sulfonate	MS	REC	101	%	62-145
OP90927-MS	27619-97-2	6:2 Fluorotelomer sulfonate	MS	REC	99	%	64-140
OP90927-MS	39108-34-4	8:2 Fluorotelomer sulfonate	MS	REC	101	%	65-137
OP90927-MSD	375-22-4	Perfluorobutanoic acid	MSD	REC	97	%	71-135
OP90927-MSD	375-22-4	Perfluorobutanoic acid	MSD	RPD	2	%	30
OP90927-MSD	2706-90-3	Perfluoropentanoic acid	MSD	REC	95	%	69-132
OP90927-MSD	2706-90-3	Perfluoropentanoic acid	MSD	RPD	1	%	30
OP90927-MSD	307-24-4	Perfluorohexanoic acid	MSD	REC	95	%	70-132
OP90927-MSD	307-24-4	Perfluorohexanoic acid	MSD	RPD	2	%	30
OP90927-MSD	375-85-9	Perfluoroheptanoic acid	MSD	REC	97	%	71-131
OP90927-MSD	375-85-9	Perfluoroheptanoic acid	MSD	RPD	1	%	30
OP90927-MSD	335-67-1	Perfluorooctanoic acid	MSD	REC	92	%	69-133
OP90927-MSD	335-67-1	Perfluorooctanoic acid	MSD	RPD	2	%	30
OP90927-MSD	375-95-1	Perfluorononanoic acid	MSD	REC	89	%	72-129
OP90927-MSD	375-95-1	Perfluorononanoic acid	MSD	RPD	1	%	30
OP90927-MSD	335-76-2	Perfluorodecanoic acid	MSD	REC	93	%	69-133
OP90927-MSD	335-76-2	Perfluorodecanoic acid	MSD	RPD	0	%	30
OP90927-MSD	2058-94-8	Perfluoroundecanoic acid	MSD	REC	96	%	64-136
OP90927-MSD	2058-94-8	Perfluoroundecanoic acid	MSD	RPD	2	%	30
OP90927-MSD	307-55-1	Perfluorododecanoic acid	MSD	REC	92	%	69-135
OP90927-MSD	307-55-1	Perfluorododecanoic acid	MSD	RPD	2	%	30
OP90927-MSD	72629-94-8	Perfluorotridecanoic acid	MSD	REC	100	%	66-139
OP90927-MSD	72629-94-8	Perfluorotridecanoic acid	MSD	RPD	2	%	30
OP90927-MSD	376-06-7	Perfluorotetradecanoic acid	MSD	REC	93	%	69-133
OP90927-MSD	376-06-7	Perfluorotetradecanoic acid	MSD	RPD	2	%	30
OP90927-MSD	375-73-5	Perfluorobutanesulfonic acid	MSD	REC	96	%	72-128
OP90927-MSD	375-73-5	Perfluorobutanesulfonic acid	MSD	RPD	1	%	30
OP90927-MSD	2706-91-4	Perfluoropentanesulfonic acid	MSD	REC	97	%	73-123
OP90927-MSD	2706-91-4	Perfluoropentanesulfonic acid	MSD	RPD	1	%	30
OP90927-MSD	355-46-4	Perfluorohexanesulfonic acid	MSD	REC	94	%	67-130
OP90927-MSD	355-46-4	Perfluorohexanesulfonic acid	MSD	RPD	0	%	30
OP90927-MSD	375-92-8	Perfluoroheptanesulfonic acid	MSD	REC	100	%	70-132
OP90927-MSD	375-92-8	Perfluoroheptanesulfonic acid	MSD	RPD	4	%	30
OP90927-MSD	1763-23-1	Perfluorooctanesulfonic acid	MSD	REC	96	%	68-136
OP90927-MSD	1763-23-1	Perfluorooctanesulfonic acid	MSD	RPD	4	%	30
OP90927-MSD	68259-12-1	Perfluorononanesulfonic acid	MSD	REC	97	%	69-125
OP90927-MSD	68259-12-1	Perfluorononanesulfonic acid	MSD	RPD	4	%	30
OP90927-MSD	335-77-3	Perfluorodecanesulfonic acid	MSD	REC	97	%	59-134
OP90927-MSD	335-77-3	Perfluorodecanesulfonic acid	MSD	RPD	0	%	30
OP90927-MSD	754-91-6	PFOSA	MSD	REC	99	%	67-137
OP90927-MSD	754-91-6	PFOSA	MSD	RPD	2	%	30
OP90927-MSD	2355-31-9	MeFOSAA	MSD	REC	95	%	63-144

* Sample used for QC is not from job FA94976

QC Evaluation: DOD QSM5.x Limits

Job Number: FA94976
Account: SGS North America, Inc
Project: 1221610
Collected: 04/13/22 thru 04/14/22

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP90927-MSD	2355-31-9	MeFOSAA	MSD	RPD	0	%	30
OP90927-MSD	2991-50-6	EtFOSAA	MSD	REC	93	%	61-139
OP90927-MSD	2991-50-6	EtFOSAA	MSD	RPD	3	%	30
OP90927-MSD	757124-72-4	4:2 Fluorotelomer sulfonate	MSD	REC	98	%	62-145
OP90927-MSD	757124-72-4	4:2 Fluorotelomer sulfonate	MSD	RPD	0	%	30
OP90927-MSD	27619-97-2	6:2 Fluorotelomer sulfonate	MSD	REC	98	%	64-140
OP90927-MSD	27619-97-2	6:2 Fluorotelomer sulfonate	MSD	RPD	2	%	30
OP90927-MSD	39108-34-4	8:2 Fluorotelomer sulfonate	MSD	REC	100	%	65-137
OP90927-MSD	39108-34-4	8:2 Fluorotelomer sulfonate	MSD	RPD	2	%	30

* Sample used for QC is not from job FA94976

MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Instrument Blank

Job Number: FA94976
Account: SGSAKA SGS North America, Inc
Project: 1221610

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S4Q402-IBLK	4Q28268.D	1	05/03/22	MV	n/a	n/a	S4Q402

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94976-1, FA94976-2, FA94976-3, FA94976-4, FA94976-5

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	1.0	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	1.0	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	1.0	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	1.0	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	1.0	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	1.0	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	1.0	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	1.0	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	1.0	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.0	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.0	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	1.0	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	1.0	0.25	ug/kg	
754-91-6	PFOSA	ND	1.0	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.25	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.25	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	94%	50-150%
	13C5-PFPeA	94%	50-150%
	13C5-PFHxA	93%	50-150%
	13C4-PFHpA	94%	50-150%
	13C8-PFOA	102%	50-150%
	13C9-PFNA	98%	50-150%
	13C6-PFDA	102%	50-150%
	13C7-PFUnDA	95%	50-150%

Instrument Blank

Job Number: FA94976
Account: SGSAKA SGS North America, Inc
Project: 1221610

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S4Q402-IBLK	4Q28268.D	1	05/03/22	MV	n/a	n/a	S4Q402

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94976-1, FA94976-2, FA94976-3, FA94976-4, FA94976-5

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	93%	50-150%
	13C2-PFTeDA	99%	50-150%
	13C3-PFBS	95%	50-150%
	13C3-PFHxS	98%	50-150%
	13C8-PFOS	94%	50-150%
	13C8-FOSA	109%	50-150%
	d3-MeFOSA	116%	50-150%
	d3-MeFOSAA	102%	50-150%
	d5-EtFOSAA	110%	50-150%
	13C2-4:2FTS	93%	50-150%
	13C2-6:2FTS	101%	50-150%
	13C2-8:2FTS	101%	50-150%
	13C3-HFPO-DA	84%	50-150%

Method Blank Summary

Job Number: FA94976
Account: SGSAKA SGS North America, Inc
Project: 1221610

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90927-MB	4Q28302.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94976-1, FA94976-2, FA94976-3, FA94976-4, FA94976-5

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	1.0	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	1.0	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	1.0	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	1.0	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	1.0	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	1.0	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.25	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	1.0	0.25	ug/kg	
2706-91-4	Perfluoropentanesulfonic acid	ND	1.0	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	1.0	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.0	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.0	0.25	ug/kg	
68259-12-1	Perfluorononanesulfonic acid	ND	1.0	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	1.0	0.25	ug/kg	
754-91-6	PFOSA	ND	1.0	0.25	ug/kg	
2355-31-9	MeFOSAA	ND	1.0	0.25	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.25	ug/kg	
757124-72-4	4:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

CAS No.	ID Standard Recoveries		Limits
	13C4-PFBA	91%	50-150%
	13C5-PFPeA	91%	50-150%
	13C5-PFHxA	91%	50-150%
	13C4-PFHpA	90%	50-150%
	13C8-PFOA	100%	50-150%
	13C9-PFNA	96%	50-150%
	13C6-PFDA	99%	50-150%
	13C7-PFUnDA	93%	50-150%

Method Blank Summary

Job Number: FA94976
Account: SGSAKA SGS North America, Inc
Project: 1221610

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90927-MB	4Q28302.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94976-1, FA94976-2, FA94976-3, FA94976-4, FA94976-5

CAS No.	ID Standard Recoveries		Limits
	13C2-PFDoDA	93%	50-150%
	13C2-PFTeDA	99%	50-150%
	13C3-PFBS	94%	50-150%
	13C3-PFHxS	95%	50-150%
	13C8-PFOS	97%	50-150%
	13C8-FOSA	63%	50-150%
	d3-MeFOSA	54%	50-150%
	d3-MeFOSAA	110%	50-150%
	d5-EtFOSAA	116%	50-150%
	13C2-4:2FTS	91%	50-150%
	13C2-6:2FTS	101%	50-150%
	13C2-8:2FTS	98%	50-150%
	13C3-HFPO-DA	85%	50-150%

Blank Spike Summary

Job Number: FA94976
Account: SGSAKA SGS North America, Inc
Project: 1221610

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90927-BS	4Q28301.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94976-1, FA94976-2, FA94976-3, FA94976-4, FA94976-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
375-22-4	Perfluorobutanoic acid	10	10.0	100	71-135
2706-90-3	Perfluoropentanoic acid	10	9.7	97	69-132
307-24-4	Perfluorohexanoic acid	10	9.7	97	70-132
375-85-9	Perfluoroheptanoic acid	10	10	100	71-131
335-67-1	Perfluorooctanoic acid	10	9.4	94	69-133
375-95-1	Perfluorononanoic acid	10	9.2	92	72-129
335-76-2	Perfluorodecanoic acid	10	9.8	98	69-133
2058-94-8	Perfluoroundecanoic acid	10	9.8	98	64-136
307-55-1	Perfluorododecanoic acid	10	9.4	94	69-135
72629-94-8	Perfluorotridecanoic acid	10	10.2	102	66-139
376-06-7	Perfluorotetradecanoic acid	10	9.5	95	69-133
375-73-5	Perfluorobutanesulfonic acid	10	9.9	99	72-128
2706-91-4	Perfluoropentanesulfonic acid	10	9.8	98	73-123
355-46-4	Perfluorohexanesulfonic acid	10	9.3	93	67-130
375-92-8	Perfluoroheptanesulfonic acid	10	9.7	97	70-132
1763-23-1	Perfluorooctanesulfonic acid	10	9.7	97	68-136
68259-12-1	Perfluorononanesulfonic acid	10	9.3	93	69-125
335-77-3	Perfluorodecanesulfonic acid	10	9.8	98	59-134
754-91-6	PFOSA	10	10.1	101	67-137
2355-31-9	MeFOSAA	10	9.8	98	63-144
2991-50-6	EtFOSAA	10	9.8	98	61-139
757124-72-4	4:2 Fluorotelomer sulfonate	10	10.1	101	62-145
27619-97-2	6:2 Fluorotelomer sulfonate	10	10.0	100	64-140
39108-34-4	8:2 Fluorotelomer sulfonate	10	10.3	103	65-137

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	91%	50-150%
	13C5-PFPeA	91%	50-150%
	13C5-PFHxA	90%	50-150%
	13C4-PFHpA	91%	50-150%
	13C8-PFOA	97%	50-150%
	13C9-PFNA	94%	50-150%
	13C6-PFDA	97%	50-150%
	13C7-PFUnDA	91%	50-150%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA94976
Account: SGSAKA SGS North America, Inc
Project: 1221610

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90927-BS	4Q28301.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94976-1, FA94976-2, FA94976-3, FA94976-4, FA94976-5

CAS No.	ID Standard Recoveries	BSP	Limits
	13C2-PFDoDA	92%	50-150%
	13C2-PFTeDA	98%	50-150%
	13C3-PFBS	93%	50-150%
	13C3-PFHxS	97%	50-150%
	13C8-PFOS	97%	50-150%
	13C8-FOSA	68%	50-150%
	d3-MeFOSA	58%	50-150%
	d3-MeFOSAA	111%	50-150%
	d5-EtFOSAA	114%	50-150%
	13C2-4:2FTS	96%	50-150%
	13C2-6:2FTS	102%	50-150%
	13C2-8:2FTS	102%	50-150%
	13C3-HFPO-DA	86%	50-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA94976
Account: SGSAKA SGS North America, Inc
Project: 1221610

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90927-MS	4Q28304.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402
OP90927-MSD	4Q28305.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402
FA94976-1	4Q28303.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94976-1, FA94976-2, FA94976-3, FA94976-4, FA94976-5

CAS No.	Compound	FA94976-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
375-22-4	Perfluorobutanoic acid	1.1 U		10.8	10.5	97	11.1	10.7	97	2	71-135/30
2706-90-3	Perfluoropentanoic acid	1.1 U		10.8	10.4	96	11.1	10.5	95	1	69-132/30
307-24-4	Perfluorohexanoic acid	1.1 U		10.8	10.3	95	11.1	10.5	95	2	70-132/30
375-85-9	Perfluoroheptanoic acid	1.1 U		10.8	10.6	98	11.1	10.7	97	1	71-131/30
335-67-1	Perfluorooctanoic acid	1.1 U		10.8	10.0	92	11.1	10.2	92	2	69-133/30
375-95-1	Perfluorononanoic acid	1.1 U		10.8	9.8	91	11.1	9.9	89	1	72-129/30
335-76-2	Perfluorodecanoic acid	1.1 U		10.8	10.3	95	11.1	10.3	93	0	69-133/30
2058-94-8	Perfluoroundecanoic acid	1.1 U		10.8	10.4	96	11.1	10.6	96	2	64-136/30
307-55-1	Perfluorododecanoic acid	1.1 U		10.8	10.0	92	11.1	10.2	92	2	69-135/30
72629-94-8	Perfluorotridecanoic acid	1.1 U		10.8	10.9	101	11.1	11.1	100	2	66-139/30
376-06-7	Perfluorotetradecanoic acid	1.1 U		10.8	10.1	93	11.1	10.3	93	2	69-133/30
375-73-5	Perfluorobutanesulfonic acid	1.1 U		10.8	10.5	97	11.1	10.6	96	1	72-128/30
2706-91-4	Perfluoropentanesulfonic acid	1.1 U		10.8	10.8	100	11.1	10.7	97	1	73-123/30
355-46-4	Perfluorohexanesulfonic acid	1.1 U		10.8	10.4	96	11.1	10.4	94	0	67-130/30
375-92-8	Perfluoroheptanesulfonic acid	1.1 U		10.8	10.7	99	11.1	11.1	100	4	70-132/30
1763-23-1	Perfluorooctanesulfonic acid	1.1 U		10.8	10.2	94	11.1	10.6	96	4	68-136/30
68259-12-1	Perfluorononanesulfonic acid	1.1 U		10.8	10.4	96	11.1	10.8	97	4	69-125/30
335-77-3	Perfluorodecanesulfonic acid	1.1 U		10.8	10.7	99	11.1	10.7	97	0	59-134/30
754-91-6	PFOSA	1.1 U		10.8	10.8	100	11.1	11.0	99	2	67-137/30
2355-31-9	MeFOSAA	1.1 U		10.8	10.5	97	11.1	10.5	95	0	63-144/30
2991-50-6	EtFOSAA	1.1 U		10.8	10	92	11.1	10.3	93	3	61-139/30
757124-72-4	4:2 Fluorotelomer sulfonate	1.1 U		10.8	10.9	101	11.1	10.9	98	0	62-145/30
27619-97-2	6:2 Fluorotelomer sulfonate	1.1 U		10.8	10.7	99	11.1	10.9	98	2	64-140/30
39108-34-4	8:2 Fluorotelomer sulfonate	1.1 U		10.8	10.9	101	11.1	11.1	100	2	65-137/30

CAS No.	ID Standard Recoveries	MS	MSD	FA94976-1	Limits
	13C4-PFBA	95%	97%	87%	50-150%
	13C5-PFPeA	93%	96%	86%	50-150%
	13C5-PFHxA	92%	94%	87%	50-150%
	13C4-PFHpA	93%	96%	88%	50-150%
	13C8-PFOA	99%	100%	96%	50-150%
	13C9-PFNA	97%	99%	93%	50-150%
	13C6-PFDA	99%	103%	97%	50-150%
	13C7-PFUnDA	92%	95%	90%	50-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA94976
Account: SGSAKA SGS North America, Inc
Project: 1221610

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP90927-MS	4Q28304.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402
OP90927-MSD	4Q28305.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402
FA94976-1	4Q28303.D	1	05/03/22	MV	04/26/22	OP90927	S4Q402

The QC reported here applies to the following samples: **Method:** EPA 537M QSM5.3 B-15

FA94976-1, FA94976-2, FA94976-3, FA94976-4, FA94976-5

CAS No.	ID Standard Recoveries	MS	MSD	FA94976-1	Limits
	13C2-PFDoDA	94%	96%	90%	50-150%
	13C2-PFTeDA	99%	102%	96%	50-150%
	13C3-PFBS	96%	98%	93%	50-150%
	13C3-PFHxS	96%	100%	95%	50-150%
	13C8-PFOS	98%	97%	94%	50-150%
	13C8-FOSA	104%	108%	81%	50-150%
	d3-MeFOSA	105%	106%		50-150%
	d3-MeFOSAA	108%	113%	105%	50-150%
	d5-EtFOSAA	114%	116%	109%	50-150%
	13C2-4:2FTS	98%	101%	89%	50-150%
	13C2-6:2FTS	104%	107%	98%	50-150%
	13C2-8:2FTS	104%	105%	95%	50-150%
	13C3-HFPO-DA	87%	90%		50-150%

* = Outside of Control Limits.

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ATTACHMENT 5 – CHEMICAL DATA REVIEW AND ADEC CHECKLISTS

Reviewer:	Birgit Hagedorn, PhD
Title:	CEO
Company	Sustainable Earth Research LLC
Address:	2200 Alder Drive
	Anchorage, AK 99508
Phone:	907.351.5362
email:	birgit.hagedorn@searchlc.com

Workorder:	1221457 and 1221610
Date:	5/16/2022
Project Title:	North Link Airport (1221457) and South Air Park (1221610)
Client:	Chem Track 11711 S Gambell St Anchorage, AK 99515 (907)250-9337

The level 2 chemical review provided with this document consists of a review narrative, summary tables of methods, result tables with qualifier, and the ADEC Data Review Checklist.

Birgit Hagedorn

5/16/2022

Birgit Hagedorn — Date

Data Quality Review

Introduction

The samples were analyzed by SGS North America Inc. Samples were submitted to SGS Orlando FL for analyses. Both laboratories are ADEC accepted laboratories. Sample analysis was performed for PFAS by EPA 537 and percent solids by SM19 2540G. All soil data were reported on a dry basis.

The data were reviewed based on a level 2 laboratory report provided by the laboratory and follows the requirements of ADEC Laboratory Checklist (ADEC 2020). A completed checklist of the data can be found in the appendix of the laboratory report. Cleanup levels refer to 18 AAC 75 Oil and Other Hazardous Substances Pollution Control, dated October 2021, Table B1, Method TWO migration to groundwater (MGW).

Summary

The analytical report was delivered under work order 1221457 Client Project *North Link Airport* and work order 1221610 Client Project *South Air Park.* A total of 12 soil samples were listed on the workorders including one field duplicate per workorder. Detection limits (DL), and Limit of Quantitation (LOQs), recoveries and relative percent deviations (RPD) are listed for all analytes as required. Laboratory specific qualifiers were added by the laboratory: “J” (result is an estimate) was applied when positive results were above DL but below LOQ, and “U” (analyte is non-detect) was applied when results were below DL. Quality control (QC) samples such as Laboratory Control Sample (LCS), and Method Blank (MB) were analyzed at the required frequency to evaluate analytical integrity. One non-project specific Matrix Spike (MS) and Matrix Spike Duplicate (MSD) sample was analyzed by the laboratory to document analytical precision. A case narrative was submitted together with laboratory results.

There was no detection of PFAS analytes in any of the samples. QC failures listed in the case narrative for workorder 1221457 include low recovery of non-project specific MS with low recoveries due to high analyte concentration in parent sample and low recovery of surrogate 13C8-FOSA which affected PFOSA, qualifier QL results may be biased low was applied to PFOSA in affected samples 22-SAP-SO-TH28-05, 22-SAP-SO-TH25-10, 22-SAP-SO-TH09-10. QC failures are not affecting the regulated compounds PFOS and PFOA and are discussed for non-regulated compounds below. Workorder 1221610 had different sample IDs on the COC 22SAP-SO-TH12-05) and sample label (22SAP-SO-TH13-05) for one sample. The laboratory used the COC as guiding document as noted on receiving documents. Later the sample ID was changed to 22SAP-SO-TH13-05 in the laboratory reports since that was confirmed with sampler to be the correct one. No QC errors were documented in the case narrative and were found in this data quality review for work order 1221610. All data were accepted, the workorder is 100% complete.

Table 1. Sample Overview

Client Sample Id:	Lab Sample Id:		Matrix wet/dry	Method	
Method	SGS ANC	SGS ORL	Soil	Percent Solids SM19 2540G	PFAS EPA537.1
22SAP-SO-TH09-00	1221457007	FA94723-7	dry weight	X	X
22SAP-SO-TH09-10	1221457006	FA94723-6	dry weight	X	X
22SAP-SO-TH15-05	1221457005	FA94723-5	dry weight	X	X
22SAP-SO-TH19-10	1221457004	FA94723-4	dry weight	X	X
22SAP-SO-TH21-7.5	1221457003	FA94723-3	dry weight	X	X
22SAP-SO-TH25-10	1221457002	FA94723-2	dry weight	X	X
22SAP-SO-TH28-05	1221457001	FA94723-1	dry weight	X	X
22SAP-SO-TH13-05	1221610001	FA94976-1	dry weight	X	X
22SAP-SO-TH12-10	1221610002	FA94976-2	dry weight	X	X
22SAP-SO-TH08-05	1221610003	FA94976-3	dry weight	X	X

Client Sample Id:	Lab Sample Id:		Matrix wet/dry	Method	
Method	SGS ANC	SGS ORL	Soil	Percent Solids SM19 2540G	PFAS EPA537.1
22SAP-SO-TH08-00	1221610004	FA94976-4	dry weight	X	X
22SAP-SO-TH05-05	1221610005	FA94976-5	dry weight	X	X

Data Qualifier

The following qualifier have been assigned to samples in addition to the laboratory qualifiers:

E	The analyte is non-detect and ½ LOQ is above cleanup level for migration to groundwater, therefore the presence of this analyte above cleanup level cannot be verified.
B	The analyte was detected in the Method Blank or Trip Blank.
R	Result is rejected.
QH	The analyte has a positive result and is biased high.
QL	The analyte has a non-detect or positive result and is biased low.
QN	The analyte had RPD outside the QC limits.

Field Sample Review

Sample handling, shipping, and receiving:

SDG 1221457: All samples were listed on the COC and delivered with temperatures below 6 °C.

SDG 1221610: Sample 22SAP-SO-TH13-05 was listed as 22SAP-SO-TH12-05 and 22SAP-SO-TH13-05 on the jar. The laboratory used the sample name on the COC which was later changed to the correct sample ID 22SAP-SO-TH13-05. Data usability is not affected.

Holding times: All holding times were met for initial extractions and analysis.

Sample reporting: All soils were reported on a dry weight basis.

Cleanup level: cleanup levels following 18AAC 75, October 2021 Table B1. Method Two, Migration to Groundwater were used for evaluation.

Surrogates:
SDG 1221457: Surrogate 13C8-FOSA was below QC limits in samples 22-SAP-SO-TH28-05, 22-SAP-SO-TH25-10, 22-SAP-SO-TH09-10 indicating that associated analyte Perfluorooctanesulfonamide (PFOSA) maybe biased low, qualifier QL was applied to affected samples. This compound is not regulated in Alaska and data quality is not affected.

QC Sample Review

Method blanks:

Trip Blank:
Trip blank is not required for these analyses.

Equipment blank:

Equipment blank was not submitted to the laboratory.

LCS/LCSD recoveries and RPD:
LCS analyses were within QC limits. LCSD was not analyzed for both workorders, refer to MSD analyses for precision.

MS/MSD recoveries and RPD:

SDG 1221457: Laboratory run non-project specific MS/MSD analyses to determine precision. Recovery for MS was outside QC limits for all analytes except for Perfluoroheptanoic acid, Perfluorobutanesulfonic acid, and PFOS, accuracy for these compounds can be determined from LCS analyses.
RPD for MSD analyses was within QC limits for all analytes.

SDG 1221610: Project specific MS/MSD was analyzed, and analyses were within QC limits for accuracy and precision.

Field Duplicates:

SDG 1221457: Sample 22-SAP-SO-TH-00 and 22-SAP-SO-TH-10 were duplicates and all analytes were non detected both samples.

SDG 1221610: Samples 22-SAP-SO-TH08-05 and 22-SAP-SO-TH08-00 were duplicates and all analytes were non detected both samples.

Conclusion

All data are within analytical QC limits, workorder is 100% complete.

Abbreviations

ADEC	Alaska Department of environmental conservations
COC	Chain of Custody
DRO	Diesel range organics
DL	Detection limit
GRO	Gasoline range organics
LCS/LCSD	Laboratory control sample
LCSD	Laboratory control sample duplicate
LOD	Limit of detection (1/2 LOQ)
LOQ	Limit of Quantitation
MS/MSD	Matrix spike/Matrix spike duplicate
MGW	Migration to Groundwater
QC	Quality control
PAH	Polynuclear aromatic hydrocarbon
RPD	Relative Percent Deviation
SIM	Single ion monitoring
VOC	Volatile organic compounds

APPENDIX

Table A1 Results of PFAS analysis in soil samples of SDG 1221457, cleanup levels refer to 18 AAC 75 Oil and Other Hazardous Substances Pollution Control, dated October 2018, Table B1, Method TWO migration to groundwater (MTGW). Numbers in bold are above cleanup level

SDG 1221457	Sample ID			22SAP-SO-THND9-00			22SAP-SO-THND9-10			22SAP-SO-TH15-05			22SAP-SO-TH19-10		
	Lab ID (SGS Anchorage)			1221457007			1221457006			1221457005			1221457004		
	Lab ID (SGS Orlando)			FA94723-7			FA94723-6			FA94723-5			FA94723-4		
Analyte	Method	Units	PAL	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag
4:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
6:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
8:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
EtFOSAA	EPA 537M	mg/Kg (dry)		ND	0.0012		ND	0.0012		ND	0.0012		ND	0.0011	
MeFOSAA	EPA 537M	mg/Kg (dry)		ND	0.0012		ND	0.0012		ND	0.0012		ND	0.0011	
Perfluorobutanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorobutanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorodecanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorodecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorododecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluoroheptanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluoroheptanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorohexanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorohexanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorononanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorononanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorooctanesulfonic acid	EPA 537M	mg/Kg (dry)	0.0030	ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorooctanoic acid	EPA 537M	mg/Kg (dry)	0.0017	ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluoropentanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluoropentanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorotetradecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluorotridecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
Perfluoroundecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062		ND	0.00059		ND	0.00057	
PFOSA	EPA 537M	mg/Kg (dry)		ND	0.00062		ND	0.00062	QL	ND	0.00059		ND	0.00057	

Table A1 continue

SDG 1221457	Sample ID			22SAP-SO-TH21-7.5			22SAP-SO-TH25-10			22SAP-SO-TH28-05		
	Lab ID (SGS Anchorage)			1221457003			1221457002			1221457001		
	Lab ID (SGS Orlando)			FA94723-3			FA94723-2			FA94723-1		
Analyte	Method	Units	PAL	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag	Level	1/2 LOQ	Flag
4:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
6:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
8:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
EtFOSAA	EPA 537M	mg/Kg (dry)		ND	0.0011		ND	0.0011		ND	0.0012	
MeFOSAA	EPA 537M	mg/Kg (dry)		ND	0.0011		ND	0.0011		ND	0.0012	
Perfluorobutanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorobutanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorodecanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorodecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorododecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluoroheptanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluoroheptanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorohexanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorohexanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorononanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorononanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorooctanesulfonic acid	EPA 537M	mg/Kg (dry)	0.0030	ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorooctanoic acid	EPA 537M	mg/Kg (dry)	0.0017	ND	0.00057		ND	0.00055		ND	0.00058	
Perfluoropentanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluoropentanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorotetradecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluorotridecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
Perfluoroundecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055		ND	0.00058	
PFOSA	EPA 537M	mg/Kg (dry)		ND	0.00057		ND	0.00055	QL	ND	0.00058	QL

Table A2 **Table A1** Results of PFAS analysis in soil samples of SDG 1221610, cleanup levels refer to 18 AAC 75 Oil and Other Hazardous Substances Pollution Control, dated October 2018, Table B1, Method TWO migration to groundwater (MTGW). Numbers in bold are above cleanup level

SDG 1221610	Sample ID			22SAP-SO-TH05-05			22SAP-SO-TH08-00			22SAP-SO-TH08-05			22SAP-SO-TH13-05			22SAP-SO-TH12-10		
	Lab ID (SGS Orlando)			122161001			122161002			122161003			122161004			122161005		
	Lab ID (SGS Anchorage)			FA94976-5			FA94976-4			FA94976-3			FA94976-1			FA94976-2		
Analyte	Method	Units	PAL	Level	1/2LOQ	Flag	Level	1/2LOQ	Flag	Level	1/2LOQ	Flag	Level	1/2LOQ	Flag	Level	1/2LOQ	Flag
4:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
6:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
8:2 Fluorotelomer sulfonate	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
EtFOSAA	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
MeFOSAA	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorobutanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorobutanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorodecanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorodecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorododecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluoroheptanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluoroheptanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorohexanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorohexanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorononanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorononanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorooctanesulfonic acid	EPA 537M	mg/Kg (dry)	0.0030	ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorooctanoic acid	EPA 537M	mg/Kg (dry)	0.0017	ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluoropentanesulfonic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluoropentanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorotetradecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluorotridecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
Perfluoroundecanoic acid	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	
PFOSA	EPA 537M	mg/Kg (dry)		ND	0.00053		ND	0.00055		ND	0.00058		ND	0.00055		ND	0.00058	

Laboratory Data Review Checklist

Completed By:

Birgit Hagedorn

Title:

CEO

Date:

04/25/2022

Consultant Firm:

Sustainable Earth Research LLC

Laboratory Name:

SGS North America Inc, Anchorage/Orlando FL

Laboratory Report Number:

1221457

Laboratory Report Date:

04/20/2022

CS Site Name:

North link Airport

ADEC File Number:

Hazard Identification Number:

Note: Any N/A or No box checked must have an explanation in the comments box.

1. Laboratory

   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

   Yes☒ No☐ N/A☐ Comments:

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

   Yes☒ No☐ N/A☐ Comments:

   Samples were transferred to SGS North America Inc in Orlando, FL

2. Chain of Custody (CoC)

   a. CoC information completed, signed, and dated (including released/received by)?

   Yes☒ No☐ N/A☐ Comments:

   b. Correct analyses requested?

   Yes☒ No☐ N/A☐ Comments:

3. Laboratory Sample Receipt Documentation

   a. Sample/cooler temperature documented and within range at receipt (0° to 6° C)?

   Yes☒ No☐ N/A☐ Comments:

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

   Yes☒ No☐ N/A☐ Comments:

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

Yes☒ No☐ N/A☐ Comments:

Nothing to report

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

Yes☐ No☐ N/A☒ Comments:

No discrepancies were found

e. Data quality or usability affected?

Comments:

Data quality is not affected

4. Case Narrative

a. Present and understandable?

Yes☒ No☐ N/A☐ Comments:

b. Discrepancies, errors, or QC failures identified by the lab?

Yes☒ No☐ N/A☐ Comments:

The case narrative lists low recoveries for surrogate 13C8-FOSA which affected samples 22-SAP-SO-TH28-05, 22-SAP-SO-TH25-10 , 22-SAP-SO-TH09-10. MS/MSD recoveries were outside QC limits for 21 of the 24 analytes due to elevated analyte concentration in the sample.

c. Were all corrective actions documented?

Yes☐ No☐ N/A☐ Comments:

No corrective actions were reported.

d. What is the effect on data quality/usability according to the case narrative?

Comments:

Effect on data usability is not reported in case narrative.

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

Yes☒ No☐ N/A☐ Comments:

b. All applicable holding times met?

Yes☒ No☐ N/A☐ Comments:

c. All soils reported on a dry weight basis?

Yes☒ No☐ N/A☐ Comments:

d. Are the reported LOQs less than the Cleanup Level or the minimum required detection level for the project?

Yes☐ No☒ N/A☐ Comments:

e. Data quality or usability affected?

It can not be evaluated if these analytes occur above cleanup level in the samples.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

ii. All method blank results less than limit of quantitation (LOQ) or project specified objectives?

Yes☒ No☐ N/A☐ Comments:

iii. If above LOQ or project specified objectives, what samples are affected?

Comments:

See above

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☒ N/A☐ Comments:

v. Data quality or usability affected?

Comments:

All samples within QC limits

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

Yes☒ No☐ N/A☐ Comments:

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes☐ No☐ N/A☒ Comments:

No metals/inorganic analyses were performed.

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes☒ No☐ N/A☐ Comments:

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from LCS/LCSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes☐ No☐ N/A☒ Comments:

LCSD analyses was not performed, see MS/MSD

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☐ N/A☒ Comments:

No sample affected.

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data usability is not affected.

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Note: Leave blank if not required for project

i. Organics – One MS/MSD reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

MS/MSD analyses were not requested for this project. The laboratory run non-project specific MS/MSD analyses.

ii. Metals/Inorganics – one MS and one MSD reported per matrix, analysis and 20 samples?

Yes☐ No☐ N/A☒ Comments:

No metals / inorganic analysis was performed.

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?

Yes☐ No☒ N/A☐ Comments:

Accuracy was outside QC limits for all analytes except Perfluoroheptanoic acid and Perfluorooctanesulfonic acid.

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.

Yes☒ No☐ N/A☐ Comments:

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☒ N/A☐ Comments:

None of these analytes was detected in the samples, no qualifier was applied, and data usability is not affected.

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Accuracy for these analytes can be derived from LCS results, data usability is not affected.

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC and laboratory samples?

Yes☒ No☐ N/A☐ Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)

Yes☐ No☒ N/A☐ Comments:

Surrogate 13C8-FOSA was below QC limits for samples 22-SAP-SO-TH28-05, 22-SAP-SO-TH25-10 , 22-SAP-SO-TH09-10.

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?

Yes☒ No☐ N/A☐ Comments:

Qualifier QL was applied indicating that result may be biased low.

iv. Data quality or usability affected?

Comments:

This analyte is not regulated in Alaska, data usability is not affected.

e. Trip Blanks

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

Yes☐ No☐ N/A☒ Comments:

Trip blanks are not required for these analyses.

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

Yes☐ No☐ N/A☐ Comments:

See above

iii. All results less than LOQ and project specified objectives?

Yes☐ No☐ N/A☒ Comments:

See above

iv. If above LOQ or project specified objectives, what samples are affected?

Comments:

v. Data quality or usability affected?

Comments:

f. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

Yes☒ No☐ N/A☐ Comments:

Sample 22-SAP-SO-TH-00 and 22-SAP-SO-TH-10 are field duplicates.

ii. Submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$$

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

Yes☐ No☐ N/A☒ Comments:

Both samples had no detected analytes.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)
Comments:

No

g. Decontamination or Equipment Blank (If not applicable, a comment stating why must be entered below)?

Yes☐ No☐ N/A☒ Comments:

Decontamination was not required in this project.

i. All results less than LOQ and project specified objectives?

Yes☐ No☐ N/A☒ Comments:

See above

ii. If above LOQ or project specified objectives, what samples are affected?
Comments:

iii. Data quality or usability affected?
Comments:

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

Yes☐ No☐ N/A☒ Comments:

No additional qualifier were applied

Laboratory Data Review Checklist

Completed By:

Birgit Hagedorn

Title:

CEO

Date:

05/16/2022

Consultant Firm:

Sustainable Earth Research LLC

Laboratory Name:

SGS North America Inc, Anchorage and Orlando

Laboratory Report Number:

1221610

Laboratory Report Date:

05/13/2022

CS Site Name:

South Air Park

ADEC File Number:

Hazard Identification Number:

Note: Any N/A or No box checked must have an explanation in the comments box.

1. Laboratory

   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

   Yes☒ No☐ N/A☐ Comments:

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

   Yes☒ No☐ N/A☐ Comments:

   Samples were transferred to SGS in Orlando Florida.

2. Chain of Custody (CoC)

   a. CoC information completed, signed, and dated (including released/received by)?

   Yes☒ No☐ N/A☐ Comments:

   b. Correct analyses requested?

   Yes☒ No☐ N/A☐ Comments:

3. Laboratory Sample Receipt Documentation

   a. Sample/cooler temperature documented and within range at receipt (0° to 6° C)?

   Yes☒ No☐ N/A☐ Comments:

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

   Yes☒ No☐ N/A☐ Comments:

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

Yes☒ No☐ N/A☐ Comments:

Nothing to report

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

Yes☒ No☐ N/A☐ Comments:

A discrepancy between sample ID on jar (22SAP-SO-TH13-05) and on COC (22SAP-SO-TH12-05) was noted. The laboratory used the sample ID from the COC and changed it to the correct one 22SAP-SO-TH13-05 after communicating with the project manager.

e. Data quality or usability affected?

Comments:

Data usability is not affected.

4. Case Narrative

a. Present and understandable?

Yes☒ No☐ N/A☐ Comments:

b. Discrepancies, errors, or QC failures identified by the lab?

Yes☐ No☒ N/A☐ Comments:

No discrepancies occurred.

c. Were all corrective actions documented?

Yes☐ No☐ N/A☒ Comments:

No corrective actions were necessary.

d. What is the effect on data quality/usability according to the case narrative?

Comments:

No effect on data usability.

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

Yes☒ No☐ N/A☐ Comments:

b. All applicable holding times met?

Yes☒ No☐ N/A☐ Comments:

c. All soils reported on a dry weight basis?

Yes☒ No☐ N/A☐ Comments:

d. Are the reported LOQs less than the Cleanup Level or the minimum required detection level for the project?

Yes☒ No☐ N/A☐ Comments:

e. Data quality or usability affected?

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

ii. All method blank results less than limit of quantitation (LOQ) or project specified objectives?

Yes☒ No☐ N/A☐ Comments:

iii. If above LOQ or project specified objectives, what samples are affected?

Comments:

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☐ N/A☒ Comments:

No flags were necessary.

v. Data quality or usability affected?

Comments:

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

Yes☒ No☐ N/A☐ Comments:

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes☐ No☐ N/A☒ Comments:

No metal analyses were performed.

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes☒ No☐ N/A☐ Comments:

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from LCS/LCSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes☒ No☐ N/A☐ Comments:

See MS/MSD for precision.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☐ N/A☒ Comments:

All samples in acceptable QC limits.

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Note: Leave blank if not required for project

i. Organics – One MS/MSD reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

ii. Metals/Inorganics – one MS and one MSD reported per matrix, analysis and 20 samples?

Yes☐ No☐ N/A☒ Comments:

No metal analyses were performed.

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?

Yes☒ No☐ N/A☐ Comments:

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.

Yes☒ No☐ N/A☐ Comments:

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☐ No☐ N/A☒ Comments:

No flags were applied.

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC and laboratory samples?

Yes☒ No☐ N/A☐ Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)

Yes☒ No☐ N/A☐ Comments:

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?

Yes☐ No☐ N/A☒ Comments:

All results within QC limits.

iv. Data quality or usability affected?

Comments:

e. Trip Blanks

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

Yes☐ No☐ N/A☒ Comments:

No trip blanks were required for this analyses

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

Yes☐ No☐ N/A☒ Comments:

See above

iii. All results less than LOQ and project specified objectives?

Yes☐ No☐ N/A☒ Comments:

See above.

iv. If above LOQ or project specified objectives, what samples are affected?

Comments:

v. Data quality or usability affected?

Comments:

f. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

Yes☒ No☐ N/A☐ Comments:

Field Duplicates: 22SAP-SO-TH08-00/ 22SAP-SO-TH08-05

ii. Submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$$

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

Yes☒ No☐ N/A☐ Comments:

Both samples had no detected analytes.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)
Comments:

g. Decontamination or Equipment Blank (If not applicable, a comment stating why must be entered below)?

Yes☐ No☐ N/A☒ Comments:

Decontamination was not required in this project.

i. All results less than LOQ and project specified objectives?

Yes☐ No☐ N/A☒ Comments:

See above.

ii. If above LOQ or project specified objectives, what samples are affected?
Comments:

iii. Data quality or usability affected?
Comments:

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

Yes☐ No☐ N/A☒ Comments:

No qualifier were applied.