NPDES Pretreatment Compliance Sampling Inspection Report

O-AT-KA Milk Products Cooperative, Inc.

4815 Ellicott Street
Batavia, NY 14021

SIU Permit #:004
40 CFR Part 403

April 26-27, 2022

Report Prepared by:

THUAN TRAN Digitally signed by THUAN TRAN
Date: 2022.06.13 08:21:01 -04'00'

Thuan Tran; Physical Scientist

Date: __Monday, June 06, 2021_____

Report Approved by:

PHILIP COCUZZA Digitally signed by PHILIP COCUZZA
Date: 2022.06.13 08:09:54 -04'00'

Phil Cocuzza, Chief
Monitoring Operations Section

Date: _____

1.0 OBJECTIVE

On April 26-27, 2022, at the request of the New York State Department of Environmental Conservation (NYSDEC), the United States Environmental Protection Agency (USEPA) conducted a Pretreatment Compliance Sampling Inspection (CSI) at the O-AT-KA Milk Products Cooperative, Inc. The objective of the Pretreatment CSI was to gather information necessary to determine compliance with the requirements and limitations of their active Standard Industrial User (SIU) Permit #004 issued by the City of Batavia, and the general pretreatment regulations for existing and new sources of pollution under 40 CFR Part 403.

2.0 KEY PARTICIPANTS

Listed below are key inspection participants and contact information, grouped by organization.

U.S. Environmental Protection Agency
Thuan Tran, Lead Inspector
732-321-4455, email: tran.thuan@epa.gov
Robert Morrell, Geologist

New York State Department of Environmental Conservation (NYSDEC)
Pradeep Jangbari, Environmental Engineer
858-226-5321, email: Pradeep.jangbari@dec.ny.gov
Michele Vincent, Environmental Engineer
858-226-5468, email: michele.vincent@dec.ny.gov

O-AT-KA Milk Products Cooperative Inc.
Joseph Steinocher, Director of Operations
858-815-4275, email: jsteinocher@oatkamilk.com
Jason Brown, ESH Manager
858-303-4488, email: jbrown@oatkamilk.com
Providence Latko, Environmental Compliance Coordinator
858-815-4290, email: plakto@oatkamilk.com
Colbey Pfendler, ESH Coordinator
858-415-4179, cpfendler@oatkamilk.com
Susan Mayer, Laboratory Technician

City of Batavia Water Pollution Control Plant (WPCP)
Kevin Volk, City of Batavia WPCP Chief Plant Operator
585-345-6412, email: kvolk@batavianewyork.com
John Senko, City of Batavia Industrial Pretreat Program Coordinator
585-345-6400, email: jsenko@batavianewyork.com

3.0 FACILITY DESCRIPTION

3.1 General Information

O-AT-KA Milk Products Cooperative, Inc. is located at 4815 Ellicott Street, Batavia, New York and began operations on 1959. The facility sits on a 90-acre lot within the City of Batavia. O-AT-KA Milk Products Cooperative, Inc. is categorized as Standard Industrial Classification (SIC) 2026 – Fluid Milk and the North American Industry Classification System (NAICS) 311511 – Fluid Milk Manufacturing. O-AT-KA Milk Products Cooperative, Inc. employs 390 personnel and operates 24 hours/day, 7 days/week, 365 days/year with three (3), 8-hour shifts.

Production and support operations are contained within approximately 627,000 square footage of warehouse space. O-AT-KA Milk Products Cooperative, Inc. produces Butter, Buttermilk Power, Milk Protein Concentrate, Powdered Milk, Evaporated Milk, Flavored and Nutritional Beverages. The facility is equipped with raw and pasteurized silos, High Temperature-Shot Time (HTST) pasteurization systems, ultra-filtration, reverse osmosis system, separators, evaporators, butter churn, cooler, and dry storage.

3.2 Process Information

Raw milk is received from Upstate Milk Cooperative, Inc. through sealed tanker trucks. O-AT-KA Milk Products Cooperative, Inc. also receives other food-grade ingredients from various suppliers used in the batch operations, such as soy oil, coconut oil, sucrose, OTSO (Other Than Standard Orange) – orange flavored alchol, and various alcohols for cream liquor manufacturing. Food-grade ingredients are received and confirmed in accordance with the Certificate of Analysis (COA) and/or specific specifications. Raw milk is transferred into storage silos while other ingredients are stored in the supply storage/holding area of the warehouse.

Ingredients are gathered and are combined for mixing, drying, evaporating, blending and butter churning processes in different batch operations in the production area. Once a batch is completed, the product is directed to the filling stations and packaging areas. The containers are filled, then sealed as they move along the filling station. The products are packaged before moving to the finished product/ distribution storage area.

O-AT-KA Milk Products Cooperative, Inc. uses city and well water at the facility. City water is used for sanitary purposes and is drained into the city sewer collection system. In addition, either sodium hydroxide or nitric acid is mixed in with the city water to create a cleaning solution. The solution is used in the cleaning and washing process of tanker trucks at the raw milk off-loading docks, the silos receiving the raw milk, the evaporators receiving the raw milk, silos for processed milk, blend tanks, homogenizers, liquefiers, ultrafiltered equipment to create consumable products, the customer loadout trucks of the batch blend, packaging equipment surge tank and filler, equipment for hand washing and foamed floor drains from

packaging products (butter, powder, evaporated milk) and specialty products, as well as retort water and cooling tower blowdown.

Process wastewater generated during the cleaning process is conveyed to the On-Site Pretreatment System. The wastewater is preliminary treated by the grit chamber. Caustic is injected into the waste stream as it continues to the Equalization Tank. The homogenized wastewater continues to the Primary Dissolved Air Flotation (DAF) Unit that utilizes fine bubble diffusers with addition of polymer and ferric chloride. The effluent from the Primary DAF Unit is directed into the Moving Bed Biofilm Reactor (MBBR) with plastic media while an anti-foam agent is added. The effluent from the MBBR flows into the Secondary DAF Unit with fine bubble diffusers. Polymer and ferric chloride are added to the Secondary DAF Unit. The effluent from the Secondary DAF Unit flows into the Effluent Wet Well. From the wet well, the effluent is pumped to the Cedar Street Discharge (Outfall 001) monitoring location before continuing to the city sewer collection system.

Grit removed from the grit chamber is disposed of as regular trash. The sludge collected from the Primary and Secondary DAF Units is pumped to the sludge pit. The sludge is reclaimed as beneficial reuse.

Well water is treated through the Reverse Osmosis (RO) Water Purification System before it can be use in the production process. The water is chlorinated as it is conveyed to the media filter. The effluent from the media filer is dechlorinated before it flows to the RO System. The permeate is chlorinated before it is stored in the Permeate Storage Tank. When water is needed in the production area, the permeate from the storage tank is dechlorinated, then further treated through a polishing filter. Finally, the purified water is disinfected by ultraviolet (UV) light.

RO retentate, tank reject water and backwash are collected in the discharge holding tank. As the holding tank is filled with RO retentate, tank reject water and backwash, a level sensor triggers the pump to discharge the water to the city sewer collection system through the Ellicott Street Discharge (Outfall 002) monitoring manhole.

3.3 Facility Self-Monitoring Information

O-AT-KA Milk Products Cooperative, Inc. coordinates with the City of Batavia WPCP to collect compliance samples at the Cedar Street Discharge and Ellicott Street Discharge monitoring locations for the parameters in the SIU permit. The City of Batavia WPCP collects aliquot samples from their portable automatic composite sampler in the sampling house stationed at the Cedar Street Discharge monitoring location. Sample is collected by the City of Batavia WPCP and is provided to O-AT-KA Milk Products Cooperative, Inc. for analysis. The sample is collected for 5-Day Carbonaceous Biochemical Oxygen Demand ($cBOD_5$), Total Suspended Solids (TSS), Ammonia (NH_3), Phosphorus, Sulfide, Fluorides, Total Cyanides (CN), Cyanide (CN)-Amendable to Chlorine, Mercury (Hg), and Metals

[Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Nickel (Ni), Selenium (Se), Silver (Ag) and Zinc (Zn)].

Grab samples for Oil & Grease (O&G), Total Petroleum Hydrocarbons (TPH), and Volatile Organic Analytes (VOA - EPA's 624 Priority Pollutant Scan plus xylenes) are collected.

The RO discharged water is collected from the Ellicott Street Discharge monitoring location. A total of 4 distinct grab samples are collected and composited within the 24-hour discharge timeframe. Grab-composite sample is collected for $cBOD_5$, TSS, NH_3, Phosphorus, Sulfide, Fluorides, Total CN, CN-Amendable to Chlorine, Hg, and Metals (As, Cd, Cr, Cu, Pb, Ni, Se, Ag & Zn).

Grab samples for Oil & Grease (O&G), TPH, and VOA (using EPA's 624 Priority Pollutant Scan plus xylenes) are collected.

All samples collected from the Cedar Street Discharge and Ellicott Street Discharge monitoring locations are provided to O-AT-KA Milk Products Cooperative, Inc. for analysis. Temperature and pH are analyzed by O-AT-KA Milk Products Cooperative, Inc. in-house laboratory. All sample containers and preservations are provided by ALS Environmental – Rochester Laboratory located on 1565 Jefferson Road, Building 300, Suite 360, Rochester, New York. ALS Environmental analyzed pH, $cBOD_5$, Phosphorus, TSS, NH3, TPH, O&G, Hg, Metals (As, Cd, Cr, Cu, Pb, Ni, Se, Ag & Zn), Total CN, CN-Amendable to Chlorine, Fluorides, Sulfides, and VOA (EPA's 624 Priority Pollutant Scan plus xylenes).

4.0 EPA SAMPLING/INSPECTION ACTIVITIES

4.1 Sampling Activities

An ISCO automatic composite sampler was programmed to take 96 sample aliquots during the 24-hour sampling event from the Cedar Street Discharge (Outfall 001) monitoring location. The 24-hour composite sample was collected and analyzed for cBOD, TSS, NH_3, Phosphorus, Fluorides, Sulfide, Total CN, CN-Amendable to Chlorine, Hg, and Metals (As, Cd, Cr, Cu, Pb, Ni, Se, Ag and Zn). Grab-Composite samples were collected and analyzed for Non-Volatile Organic Analytes (NVOAs), Pesticides and Polychlorinated Biphenyls (PCBs). Multiple grab samples were collected for VOA. The VOA grab samples were composited in the laboratory. Grab samples were collected and analyzed for O&G and TPH.

An ISCO automatic composite sampler was utilized to collect four (4) grab-composite sample aliquots during the 24-hour intermittent/time control sampling event at the Ellicott Street Discharge (Outfall 002) monitoring location. The grab-composite sample was collected and analyzed for $cBOD_5$, TSS, NH_3, Phosphorus, Fluorides, Sulfide, Total CN, CN-Amendable to Chlorine, Hg, and Metals (As, Cd, Cr, Cu, Pb, Ni, Se, Ag and Zn). Individual grab-composite samples were collected and analyzed for NVOAs, Pesticides and PCBs. Multiple grab samples were collected for VOA. The VOA grab samples were composited in the laboratory. Grab samples were collected and analyzed for O&G and TPH.

On-site grab samples from the Cedar Street Discharge and the Ellicott Street Discharge monitoring locations were collected and analyzed for pH, Temperature and Total Residual Chlorine (TRC).

All sample containers, preservation techniques and holding times were in accordance with USEPA requirements specified in 40 CFR Part 136. Signed and dated custody seals were placed across the lids and along the sides of the sample containers. The custody sealed sample containers were placed inside plastic sample bags and sealed. All samples were packed inside lined coolers and preserved with wet ice. The two (2) coolers were wrapped with strapping tape and affixed with custody seal tapes for shipping by UPS for overnight delivery to the USEPA Laboratory in Edison, New Jersey for analysis. The chain-of-custody were emailed to the laboratory to begin the check-in process before the coolers arrive.

Flow data were obtained directly from O-AT-KA Milk Products Cooperative, Inc. instrumentations for the Cedar Street Discharge (Outfall 001) and Ellicott Street Discharge (Outfall 002). The Cedar Street Discharge flow meter was last calibrated on August 16, 2021. The Ellicott Street Discharge flow meter was last calibrated on August 02, 2021

Split samples were collected and given to the facility representative.

4.2 Inspection Activities

A Pretreatment Compliance Sampling Inspection at O-AT-KA Milk Products Cooperative, Inc. was conducted on April 26-27, 2022. The inspectors met with Joseph Steinocher, Director of Operation; Jason Brown, ESH Manager; Providence Latko, Environmental Compliance Officer; and Colbey Pfendler, ESH Coordinator. Besides the representatives from O-AT-KA Milk Products Cooperative, Inc., the inspectors met with Kevin Volk, City of Batavia WPCP Chief Plant Operator; John Sanko, Industrial Pretreat Program for the City of Batavia WPCP; Pradeep Jangbari, NYSDEC Environmental Engineer; and Michele Vincent, NYSDEC Environmental Engineer (See Attachment #1 – List of participants in the inspection). Inspector's credentials were shown, and business cards were provided. The facility's representatives were explained that the inspection purpose with supporting on-site activities was to determine if O-AT-KA Milk Products Cooperative, Inc. is in compliance with the City of Batavia SIU permit and the federal regulations.

Supporting on-site activities consist of collecting samples from the Cedar Street Discharge and Ellicott Street Discharge monitoring locations, observing and evaluating the monitoring locations and other potential alternative monitoring locations, observing and evaluating the flow monitoring equipment, observing and evaluating the facility's sampling protocol (conducted by the City of Batavia WPCP), observing where process wastewaters are generated in the manufacturing operation during the plant tour, observing and evaluating the On-Site Pretreatment System, reviewing and evaluating the facility's chain-of-custody, sample containers, sample preservation, and the analytical data, as well as interviewing the facility's representatives.

The facility's representatives were briefed on the inspection activities throughout the inspection and during the closing conference. On-site sample results and concerns

discovered during the inspection were communicated so that the facility's representatives understood their responsibilities to comply with the conditions and limitations set forth in the SIU permit and the federal regulations.

4.3 Deviations and/or Environmental Conditions

Observations were noted of the Cedar Street Discharge (Outfall 001) monitoring location and the potential alternative Effluent Wet Well sampling location for the On-Site Pretreatment System during the evaluation process. Steam was observed rising from the Cedar Street Discharge monitoring location when the cover was lifted open. Also, it was noted that the inspector's glasses were fogged by the steam. Furthermore, the manual grab sample containers were warm-to-the-touch through the gloves. At the On-Site Pretreatment System effluent wet well, steam was not observed rising when the cover was opened.

5.0 ANALYTICAL RESULTS

O-AT-KA Milk Products Cooperative Inc.
Inspection Dates: April 26-27, 2022
Cedar Street Discharge: (Outfall 001)

Parameter	Units	Permit Limit		EPA Result
		30-day Avg.	1-day Max.	
Cyanide (Amendable to Cl_2)	mg/l	0.3	0.9	U
Cyanide, T	mg/l	0.7	1.2	0.01 (10.4 ug/l)
Fluorides	mg/l	4.0	---	0.234
Sulfide	mg/l	6.0	2.6	0.0156
Mercury	mg/l	0.1	0.2	U
Metals:				
Arsenic	mg/l	0.1	0.2	U
Cadmium	mg/l	0.3	0.7	U
Chromium	mg/l	1.7	2.8	U
Copper	mg/l	2.1	3.4	0.033 (33.1 ug/l)
Lead	mg/l	0.4	0.7	U
Nickel	mg/l	2.4	4.0	0.053 (53.1 ug/l)
Selenium	mg/l	0.1	0.2	U
Silver	mg/l	0.3	0.5	U
Zinc	mg/l	1.5	2.6	0.068 (67.5 ug/l)
Total Toxic Organics:	mg/l		2.1	U L J
VOA	mg/l	---	---	U
NVOA	mg/l	---	---	U L J
PCB	mg/l	---	---	U L
Pesticide	mg/l	---	---	U L
Flow	MGD	0.65 (max.)		0.47
pH	SU	6.0 – 9.0		6.96
cBOD5	mg/l	300		11.6
cBOD5	lbs./day	1,200 – 1,600		45.5

Parameter	Units	Permit Limit	EPA Result
TSS	mg/l	300	32
TSS	lbs./day	1,200 – 1,600	125
Phosphorus	mg/l	5.0 (Threshold)	0.202
Ammonia (NH_3)	mg/l	25 (Threshold)	9.78
Petroleum Hydrocarbons	mg/l	100 (1-day max.)	U J
Oil & Grease (O&G)	mg/l	Monitor	U J
Temperature	°C	</= 40	32

Notes: U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
L- the identification of the analyte is acceptable; the reported value may be biased low.

O-AT-KA Milk Products Cooperative Inc.
Inspection Dates: April 26-27, 2022
Ellicott Street Discharge: (Outfall 002)

Parameter	Units	Permit Limit		EPA Result
		30-day Avg.	1-day Max.	
Cyanide (Amendable to Cl_2)	mg/l	0.3	0.9	U
Cyanide, T	mg/l	0.7	1.2	U
Fluorides	mg/l	4.0	---	0.317 L
Sulfide	mg/l	6.0	2.6	U
Mercury	mg/l	0.1	0.2	U
Metals:				
Arsenic	mg/l	0.1	0.2	0.008 (8.09 ug/l) J
Cadmium	mg/l	0.3	0.7	U
Chromium	mg/l	1.7	2.8	U
Copper	mg/l	2.1	3.4	U
Lead	mg/l	0.4	0.7	U
Nickel	mg/l	2.4	4.0	U
Selenium	mg/l	0.1	0.2	U
Silver	mg/l	0.3	0.5	U
Zinc	mg/l	1.5	2.6	0.021 (21.1 ug/l)
Total Toxic Organics:	mg/l		2.1	U L J
VOA	mg/l	---	---	U
NVOA	mg/l	---	---	U L J
PCB	mg/l	---	---	U L J
Pesticide	mg/l	---	---	U L J
Flow	MGD	0.15 (1-day max.)		0.057
pH	SU	6.0 – 10.0		7.89
cBOD5	mg/l	300		U
TSS	mg/l	300		U
Phosphorus	mg/l	5.0		0.698
Ammonia (NH_3)	mg/l	25		U
Petroleum Hydrocarbons	mg/l	100 (1-day max.)		U J
Oil & Grease (O&G)	mg/l	Monitor		U J

Parameter	Units	Permit Limit	EPA Result
Temperature	°C	</= 40	13.8

Notes: U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
L- the identification of the analyte is acceptable; the reported value may be biased low.

6.0 FINDINGS

6.1 Sampling Result Findings

The EPA analytical results obtained during this inspection are within the acceptable limits.

6.2 Inspection Findings

In addition to the sampling, an inspection of the facility operations was conducted as discussed in Section 4.2 above. During this inspection the following observations were noted which may contravene the requirements of the permit or the applicable regulations:

6.2.1 Total Toxic Organics (TTO) is one of the parameters on O-AT-KA Milk Products Cooperative, Inc. SIU permit. TTO is reflective of the electroplating industry. According to the electroplating category under 40 CFR Part 413.02(i), "*The term TTO shall mean total toxic organics, which is the summation of all quantifiable values greater than 0.01 milligrams per liter for the following toxic organics.*" The SIU permit lists only VOA (EPA's 624 Priority Pollutant Scan plus xylenes). TTO consists of VOAs, NVOAs, PCBs, and Pesticides.

6.2.2 A rope and stainless-steel cup are used to collect the discharged effluent, then transferred into the sample containers for Oil & Grease and Total Petroleum Hydrocarbons. This is incorrect. According to "Sample Collection, Preservation, and Storage" of Section 8.3 for Hexane Extractable Material (HEM): N-Hexane Extraction and Gravimetry and Silica Gel Treated HEM (SGT–HEM): Silica Gel Treatment and Gravimetry (EPA Method 1664), it states, "*The high probability that extractable matter may adhere to sampling equipment and result in measurements that are biased low precludes the collection of composite samples for determination of oil and grease. Therefore, samples must be collected as* (direct) *grab samples."*

6.2.3 A rope and stainless-steel cup are used to collect water sample for Volatile Organic Analytes (VOAs). The sample is transferred into the glass vials. Section 9: Sample Collection, Preservation, and Handling of the EPA Method 624, it states, " *Collect the sample as a grab sample in a glass container having a total volume of at least 25 mL. Fill the sample bottle just to overflowing in such a manner that no air bubbles pass through the sample as the bottle is being filled. Seal the bottle so that no air bubbles are entrapped in it*."`

7.0 ATTACHMENTS

Attachment #1. A list of participants was generated for the Pretreatment Compliance Sampling Inspection at O-AT-KA Milk Products Cooperative, Inc.

Attachment #2. An enlarged overview map shows the production area within the O-AT-KA Milk Products Cooperative, Inc. building.

Attachment #3. Process wastewater is pretreated by the On-Site Pretreatment System before discharging into the City of Batavia WPCP.

Attachment #4. The Chain of Custody for Samples was submitted and received by the USEPA Region 2 Laboratory on Thursday, April 28, 2022.

Attachment #5. The Analytical Data from the O-AT-KA Milk Products sampling inspection was received on Friday, May 27, 2022.

8.0 PHOTOGRAPHS

Photo #1. Samples were collected from the Cedar Street Discharge monitoring location.

Photo #2. Samples were collected from the Ellicott Street Discharge monitoring location.

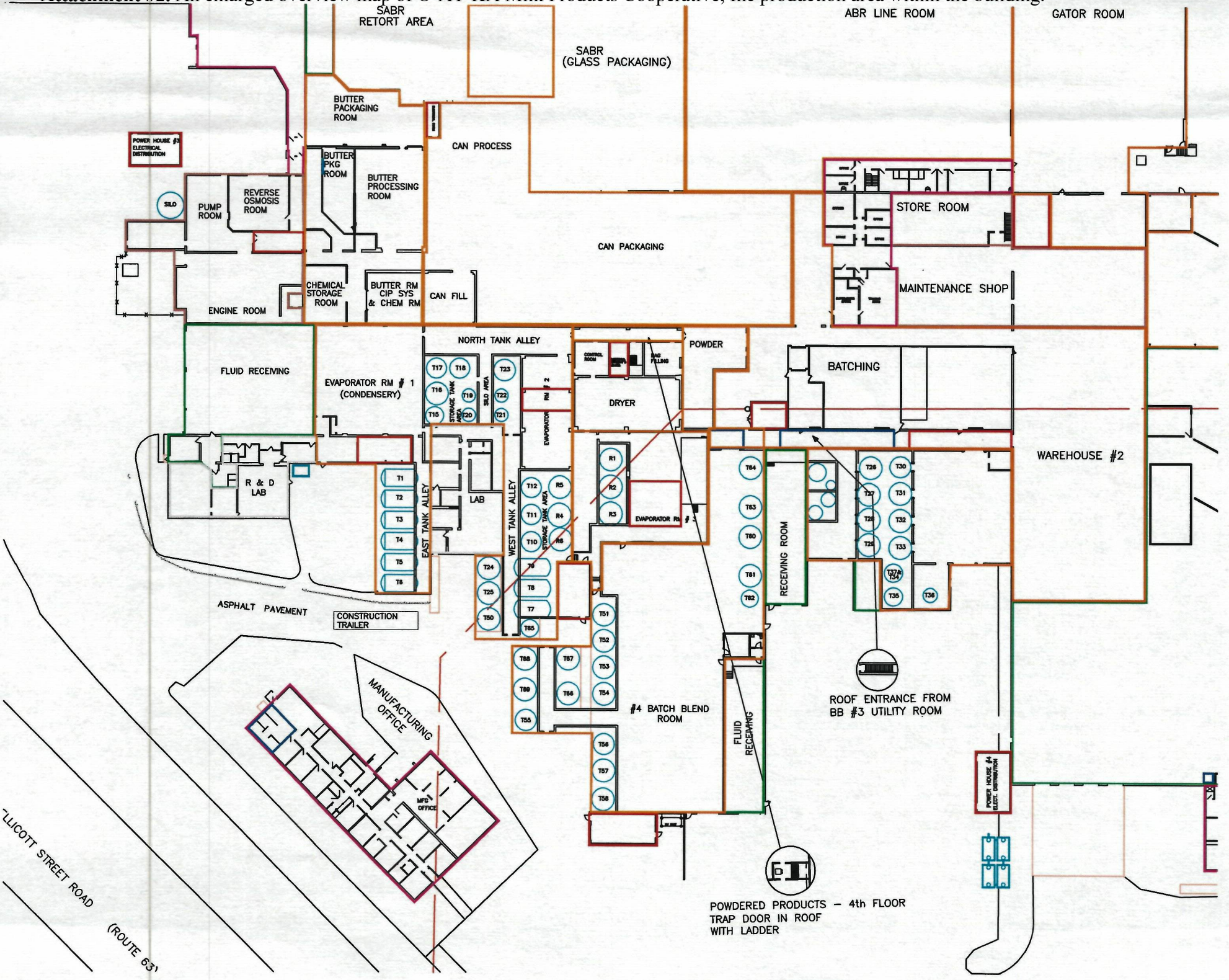
7.0 Attachments

Attachment #1. List of participants in the Pretreatment CSI at O-AT-KA Milk Products Cooperative, Inc.

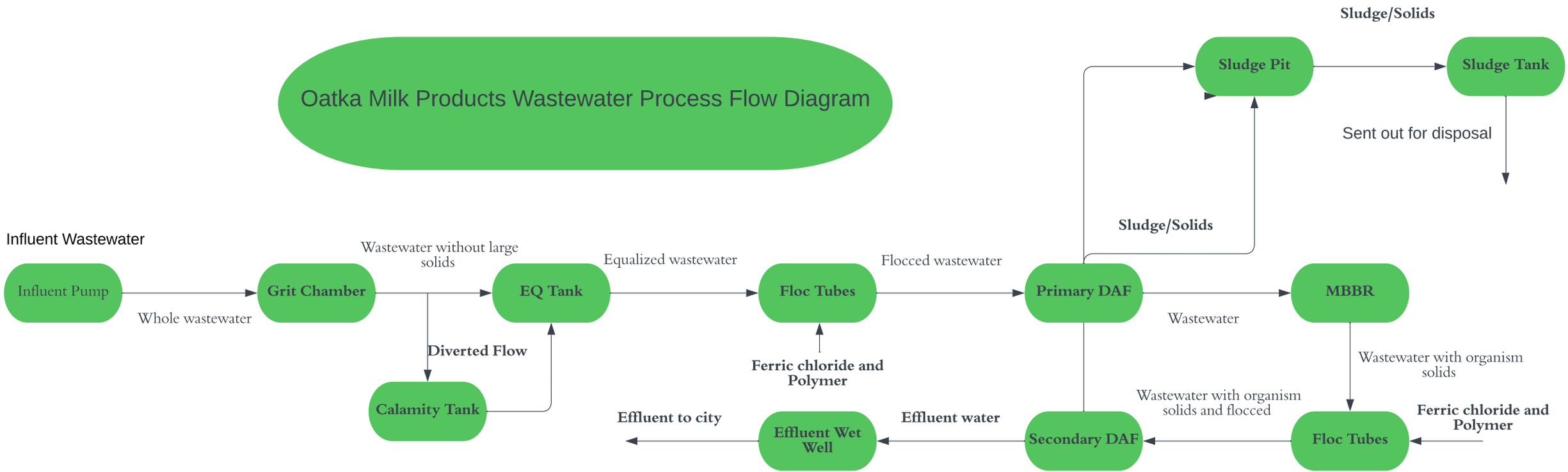
Opening Conf. Participants

Joe Steinocher	jsteinocher@oatkamilk.com	585-813-2852
Jason Brown	jbrown@oatkamilk.com	(585) 303-4488
Colbey Pfendler	cpfendler@oatkamilk.com	(585) 415-4179
PRADEEP JANGBARI	Pradeep.Jangbari@dec.ny.gov	5852265321
John J Szeluk	JSzeluk@BataviaNewYork.com	585 813-3896
Kevin F. Volk	kvolk@batavianewyork.com	(585) 345-6400 x.3
FRANK DeORIO	FDEORIO@USWATERCORP.NET	315-729-1983
Mark Byrne	mbyrne@uswatercorp.net	315-842-7024
Bob Morrell	morrell.robert@epa.gov	732-906-6804
Providence Platko	Platko@oatkamilk.com	585-815-4290
Thuan Tran	Tran.Thuan@EPA.Gov	732-321-4455
* Eric Brooks	ebrooks@oatkamilk.com	585-813-5119
* Michele Vincent	michele.vincent@dec.ny.gov	(585) 226-5468

Attachment #2. An enlarged overview map of O-AT-KA Milk Products Cooperative, Inc production area within the building.



Attachment #3. Process wastewater is treated by the On-Site Pretreatment System before discharging into the sewer collection system.



Attachment #4. Samples from the inspection was submitted to the EPA Region 2 Laboratory for analysis.

US EPA REGION 2 LABORATORY

Page 1 of 4 pages

CHAIN OF CUSTODY/ FIELD DATA FORM

SURVEY NAME & LOCALITY O-AT-KA Milk Products

PROJECT LEADER Thuan Tran

PROGRAM: SF ☐ : SITE ID _____ OPERABLE UNIT _____ PROGRAM RESULTS CODE _____

Decision	RCRA ☐	RCRA ENF ☐	NPDES ☐ X	SDWA ☐	AM ☐	CAA ☐	TSCA ☐	OD ☐	FIFRA ☐	CRIMINAL ENF ☐
Unit Code Y206	D210	D307	B304	C215	B224	A305	L306	B253		

Permit #: _40CFR403 & SIU Permit_ LAB ID/ FIELD ID	# OF CONTERS	MATRIX	CHECK IF SPLIT SAMPLE	DESCRIPTION & INSTRUCTIONS INCLUDING LOCATION, ESTIMATED CONCENTRATIONS, SPECIAL REPORTING LIMITS,	Res CL Checked	Preservative (circle)	Collection Time (24hr clock) Begin	Collection Time (24hr clock) End	Collection Date mm/dd/yy
Cedar St. Disch. - 24-Hr Comp	10	A	X	2. 1-liter plastic bottles: cBOD5: Comp	☐	2204062-01 0	10AM	9:45AM	4/26-27/22
		A	X	1, 500-ml plastic bottle: TSS: Comp	☐	0	10AM	9:45AM	4/26-27/22
		A	X	1, 250-ml plastic bottle: NH3/Phosphorus: Comp	☐	01	10AM	9:45AM	4/26-27/22
		A	X	1, 250-ml plastic bottle: Metals*: Comp	☐	02	10AM	9:45AM	4/26-27/22
		A	X	1, 250-ml plastic bottle: Mercury: Comp	☐	02	10AM	9:45AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: Cyanide, T: Comp	☐	05	10AM	9:45AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: Cyanide, Amendable to Cl2: Comp	☐	05	10AM	9:45AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: Flourides: Comp	☐	0	10AM	9:45AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: Sulfide: Comp	☐	058	10AM	9:45AM	4/26-27/22
Trip Blank - Grab	3	A	☐	3, 40-ml clear glass vials: VOAs: Grab	☐	-9 0		10:01AM	4/25/2022

COMMENTS & SPECIAL REQUIREMENTS:

Notes: Metals*: As, Cd, Cr, Cu, Pb, Ni, Se, Ag & Zn

No chlorine detected in discharge

TA 5/3/22

Preservative Added & Checked

0=ice
1=H2SO4 pH<2
2=HNO3 pH<2
3=HCl pH<2
4=Na2S2O3
5=NaOH pH>9
6=Ascorbic Acid
7=FAS
8=ZnAc
9=NaOH pH>12
10=NH4Cl

	Time	Date
Person Assuming Responsibility for Sample(s):	5:04pm	4/27/22
Relinquished By: / Received By:	4/28/22 @ 10:00	
Relinquished By: / Received By:		
Relinquished By: / Received By:		

Matrix:

A=aqueous
B=aqueous (chlorinated)
C=soil
D=sediment
E=sludge
F=multiphasic
G=solvent
H=biota
I=oil
J=other

Survey Complete? Y ☐ N ☐

Temp: 3.1°C on ice at 4/28/22

revised 10/25/2004

US EPA REGION 2 LABORATORY

CHAIN OF CUSTODY/ FIELD DATA FORM

SURVEY NAME & LOCALITY _____ O-AT-KA Milk Products

PROJECT LEADER _____ Thuan Tran

PROGRAM: SF ☐ : SITE ID _____ OPERABLE UNIT _____ PROGRAM RESULTS CODE _____

Decision		RCRA ☐	RCRA ENF ☐	NPDES ☐ X	SDWA ☐	AM ☐	CAA ☐	TSCA ☐	OD ☐	FIFRA ☐	CRIMINAL ENF ☐
Unit Code	Y206	D210	D307	B304	C215	B224	A305	L306	B253		

Permit #: _40CFR403 & SIU Permit_ LAB ID/ FIELD ID	# OF CONTERS	MATRIX	CHECK IF SPLIT SAMPLE	DESCRIPTION & INSTRUCTIONS INCLUDING LOCATION, ESTIMATED CONCENTRATIONS, SPECIAL REPORTING LIMITS,	Res CL Checked	Preservative (circle)	Collection Time (24hr clock) Begin	Collection Time (24hr clock) End	Collection Date mm/dd/yy
Cedar St. Disch. - Grab-Comp	8	A	☐ X	3, 1-liter amber jars: NVOAs: 4Xs G-C	☐	2204062-10 0	10:30A	9:15AM	4/26-27/22
		A	☐ X	5, 1-liter amber jars: PCBs/Pesticides: 4Xs G-C	☐	-10 0	10:30A	9:15AM	4/26-27/22
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			
Cedar St. Disch. - Grab	18	A	☐ X	3, 40-ml clear glass vials: VOAs: Grab #1	☐	-11 0	10:30AM		4/26/2022
		A	☐ X	3, 40-ml clear glass vials: VOAs: Grab #2	☐	-12 0	3PM		4/26/2022
		A	☐ X	3, 40-ml clear glass vials: VOAs: Grab #3	☐	-13 0	10:26PM		4/26/2022
		A	☐ X	3, 40-ml clear glass vials: VOAs: Grab #4	☐	-14 0	9:15AM		4/27/2022
		A	☐ X	3, 1-liter WM clear glasses: O&G: Grab	☐	-16 0 3	9:15AM		4/27/2022
		A	☐ X	3, 1-liter WM clear glasses: TPH* :Grab	☐	-16 0 3	9:15AM		4/27/2022
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			

COMMENTS & SPECIAL REQUIREMENTS:

Note: TPH*: Total Petroleum Hydrocarbons

4/27/22 2204062-15 -VOAs Grab #1 thru Grab #4 to be lab. composite for Cedar Street Discharge

No chlorine detected in discharge

Preservative Added & Checked

0=ice
1=H2SO4 pH<2
2=HNO3 pH<2
3=HCl pH<2
4=Na2S2O3
5=NaOH pH>9
6=Ascorbic Acid
7=FAS
8=ZnAc
9=NaOH pH>12
10=NH4Cl

Matrix:

A=aqueous
B=aqueous (chlorinated)
C=soil
D=sediment
E=sludge
F=multiphasic
G=solvent
H=biota
I=oil
J=other

Survey Complete? Y ☐ N ☐

		Time	Date
Person Assuming Responsibility for Sample(s):		5:04pm	4/27/22
Relinquished By:	Received By:	4/28/22 @ 10:00 AM	
Relinquished By:	Received By:		
Relinquished By:	Received By:		

revised 10/25/2004

US EPA REGION 2 LABORATORY

Page 3 of 4 pages

CHAIN OF CUSTODY/ FIELD DATA FORM

SURVEY NAME & LOCALITY _____ O-AT-KA Milk Products

PROJECT LEADER _____ Thuan Tran

PROGRAM: SF ☐ :

SITE ID _____

OPERABLE UNIT _____

PROGRAM RESULTS CODE _____

Decision		RCRA ☐	RCRA ENF ☐	NPDES ☐ X	SDWA ☐	AM ☐	CAA ☐	TSCA ☐	OD ☐	FIFRA ☐	CRIMINAL ENF ☐
Unit Code	Y206	D210	D307	B304	C215	B224	A305	L306	B253		

Permit #: _40CFR403 & SIU Permit_

LAB ID/ FIELD ID	# OF CONTERS	MATRIX	CHECK IF SPLIT SAMPLE	DESCRIPTION & INSTRUCTIONS INCLUDING LOCATION, ESTIMATED CONCENTRATIONS, SPECIAL REPORTING LIMITS,	Res CL Checked	Preservative (circle)	Collection Time (24hr clock) Begin	Collection Time (24hr clock) End	Collection Date mm/dd/yy
Ellicott St. Disch. - Grab-Comp	10	A	X	1. 1-liter plastic bottle: cBOD5: 4Xs G-C	☐	220 4062 02 0	11AM	9:50AM	4/26-27/22
		A	X	1, 250-ml plastic bottle: TSS: 4Xs G-C	☐	0	11AM	9:50AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: NH3/Phosphorus: 4Xs G-C	☐	01	11AM	9:50AM	4/26-27/22
		A	X	1, 250-ml plastic bottle: Metals*: 4Xs G-C	☐	02	11AM	9:50AM	4/26-27/22
		A	X	1, 250-ml plastic bottle: Mercury: 4Xs G-C	☐	02	11AM	9:50AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: Cyanide, T: 4Xs G-C	☐	05	11AM	9:50AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: Cyanide, Amend to Cl2: 4Xs G-C	☐	05	11AM	9:50AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: Fluorides: 4Xs G-C	☐	0	11AM	9:50AM	4/26-27/22
		A	X	1, 125-ml plastic bottle: Sulfide: 4Xs G-C	☐	058	11AM	9:50AM	4/26-27/22
		A	X	1 1-liter amber jar: NVOAs: 4Xs G-C	☐	0	11AM	9:50AM	4/26-27/22

COMMENTS & SPECIAL REQUIREMENTS:

Notes: Metals*: As, Cd, Cr, Cu, Pb, Ni, Se, Ag & Zn

CA 5/3/22

Preservative Added & Checked

0=ice
1=H2SO4 pH<2
2=HNO3 pH<2
3=HCl pH<2
4=Na2S2O3
5=NaOH pH>9
6=Ascorbic Acid
7=FAS
8=ZnAc
9=NaOH pH>12
10=NH4Cl

		Time	Date
Person Assuming Responsibility for Sample(s):		5:04pm	4/27/22
Relinquished By:	Received By:	4/28/22 @	10:10 AM
Relinquished By:	Received By:		
Relinquished By:	Received By:		

Matrix:

A=aqueous
B=aqueous (chlorinated)
C=soil
D=sediment
E=sludge
F=multiphasic
G=solvent
H=biota
I=oil
J=other

Survey Complete? Y ☐ N ☐

Temp = 2-8°C on ice at 4/28/22

revised 10/25/2004

US EPA REGION 2 LABORATORY

Page 7 of 4 pages

CHAIN OF CUSTODY/ FIELD DATA FORM

SURVEY NAME & LOCALITY _____ O-AT-KA Milk Products

PROJECT LEADER _____ Thuan Tran

PROGRAM: SF ☐ : SITE ID _____ OPERABLE UNIT _____ PROGRAM RESULTS CODE _____

Decision	RCRA ☐	RCRA ENF ☐	NPDES ☐ X	SDWA ☐	AM ☐	CAA ☐	TSCA ☐	OD ☐	FIFRA ☐	CRIMINAL ENF ☐
Unit Code Y206	D210	D307	B304	C215	B224	A305	L306	B253		

Permit #: _40CFR403 & SIU Permit_

LAB ID/ FIELD ID	# OF CONTERS	MATRIX	CHECK IF SPLIT SAMPLE	DESCRIPTION & INSTRUCTIONS INCLUDING LOCATION, ESTIMATED CONCENTRATIONS, SPECIAL REPORTING LIMITS,	Res CL Checked	Preservative (circle)	Collection Time (24hr clock) Begin	Collection Time (24hr clock) End	Collection Date mm/dd/yy
Ellicott St. Disch. - Grab-Comp	1	A	☐ X	1, 1-liter amber jars: PCBs/Pesticides: 4Xs G-C	☐	2204062-02 0	11AM	9:50AM	4/26-27/22
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			
Ellicott St. Disch. - Grab	14	A	☐ X	3, 40-ml clear glass vials: VOAs: Grab #1	☐	-03 0		11AM	4/26/2022
		A	☐ X	3, 40-ml clear glass vials: VOAs: Grab #2	☐	-04 0		3:19PM	4/26/2022
		A	☐ X	3, 40-ml clear glass vials: VOAs: Grab #3	☐	-05 0		10:02PM	4/26/2022
		A	☐ X	3, 40-ml clear glass vials: VOAs: Grab #4	☐	-06 0		9:50AM	4/27/2022
		A	☐ X	1, 1-liter WM clear glass: O&G: Grab	☐	-08 03		9:50AM	4/27/2022
		A	☐ X	1, 1-liter WM clear glass: TPH* :Grab	☐	-08 03		9:50AM	4/27/2022
			☐		☐	24 5/3/22 0 1 2 3 4 5 6 7 8 9 10			
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			

COMMENTS & SPECIAL REQUIREMENTS:

Notes: TPH*: Total Petroleum Hydrocarbons

5/3/22 220406 2-07 VOAs Grab #1 thru Grab #4 to be lab. composite for Ellicott Street Discharge

No chloirine detected in discharge

Preservative Added & Checked

0=ice
1=H2SO4 pH<2
2=HNO3 pH<2
3=HCl pH<2
4=Na2S2O3
5=NaOH pH>9
6=Ascorbic Acid
7=FAS
8=ZnAc
9=NaOH pH>12
10=NH4Cl

		Time	Date
Person Assuming Responsibility for Sample(s):		5:04 pm	4/27/22
Relinquished By:	Received By:		
Relinquished By:	Received By:	4/28/22 @	10:00 AM
Relinquished By:	Received By:		

Matrix:

A=aqueous
B=aqueous (chlorinated)
C=soil
D=sediment
E=sludge
F=multiphasic
G=solvent
H=biota
I=oil
J=other

Survey Complete? Y ☐ N ☐

revised 10/25/2004

Attachment #5. Analytical Data was received on Friday, May 17, 2022.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax

May 18, 2022

Thuan Tran
Monitoring & Assessment Branch
LSASD/MAB
Edison, NJ 08837

RE: O-AT-AK Milk Products - 2204062

Enclosed are the results of analyses for samples received by the laboratory on 04/28/2022. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 2204062 and contact the laboratory.

Sincerely,

John R. Bourbon
Chief, LSASD/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

None

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
K- The identification of the analyte is acceptable; the reported value may be biased high.
L- The identification of the analyte is acceptable; the reported value may be biased low.
NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the standard laboratory reporting limits, where applicable, for each analyte requested except for the following analyte(s):

NVOA GCMS

The reporting level of 5.00 ug/L was raised to 10 ug/L for the following analyte(s):
Pentachlorophenol
for the following samples:
2204062-02, -10

The reporting level of 5.00 ug/L was raised to 13.94 ug/L for the following analyte(s):
Bis(2-Ethylhexyl)Phthalate
for the following samples:
2204062-02

The reporting level of 5.00 ug/L was raised to 14.7 ug/L for the following analyte(s):
Bis(2-Ethylhexyl)Phthalate
for the following samples:
2204062-10

The reporting level of 5.00 ug/L was raised to 30 ug/L for the following analyte(s):
2,4-Dinitrophenol, 4,6-Dinitro-2-Methylphenol
for the following samples:
2204062-02, -10

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
Cedar St. Disch.-24-Hr. Comp	2204062-01	Aqueous	04/27/2022 09:45	04/28/2022 10:00
Ellicott St Disch.- Grab-Comp	2204062-02	Aqueous	04/27/2022 09:50	04/28/2022 10:00
Ellicott St Disch.- Grab#1to #4(Lab Cc	2204062-07	Aqueous	04/28/2022 00:00	04/28/2022 10:00
Ellicott St Disch.- Grab	2204062-08	Aqueous	04/27/2022 09:50	04/28/2022 10:00
Trip Blank - Grab	2204062-09	Aqueous	04/27/2022 09:45	04/28/2022 10:00
Cedar St. Disch.-Grab-Comp	2204062-10	Aqueous	04/27/2022 09:15	04/28/2022 10:00
Cedar St Disch.- Grab#1to #4(Lab Con	2204062-15	Aqueous	04/28/2022 00:00	04/28/2022 10:00
Cedar St Disch.- Grab	2204062-16	Aqueous	04/27/2022 09:15	04/28/2022 10:00

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
608.3 Pesticides/PCBs-NPDES	EPA 608.3 SOP C-91 Rev 4.3	NELAP	Aqueous
624.1 VOA EPA-NPDES	EPA 624.1 SOP C-89 Rev 3.6	NELAP	Aqueous
625.1 SVOA NPDES	EPA 625.1 SOP C-90 Rev 3.8	NELAP	Aqueous
Ammonia [As N]	EPA 350.1 SOP C-80 Rev 2.7	NELAP	Aqueous
Biochemical Oxygen Demand, Carb.	SM 5210B SOP C-21 Rev 2.7	NELAP	Aqueous
Cyanide Amenable To Chlorination	EPA 335.4 SOP C-28 Rev 2.7		Aqueous
Cyanide, Total	EPA 335.4 SOP C-28 Rev 2.7	NELAP	Aqueous
Fluoride	EPA 300.0 SOP C-94 Rev 2.7	NELAP	Aqueous
Mercury	EPA 245.1 SOP C-110 Rev 2.7	NELAP	Aqueous
Metals ICP TAL NPDES/DW	EPA 200.7 SOP C-109 Rev 3.6	NELAP	Aqueous
Oil & Grease	EPA 1664A SOP C-126 Rev 1.6	NELAP	Aqueous
Petroleum Hydrocarbons, Tot.	EPA 1664A SOP C-126 Rev 1.6	NELAP	Aqueous
Phosphorus	EPA 365.1 SOP C-68 Rev 2.7	NELAP	Aqueous
Sulfide	SM 4500 S2 D SOP C-115 Rev 2.7	NELAP	Aqueous
Residue, Non-Filterable	SM 2540D SOP C-33 Rev 3.7	NELAP	Aqueous

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Cedar St. Disch.-24-Hr. Comp			**Sample ID: 2204062-01**			
Metals ICP						
Arsenic	---	U	8.00	ug/L	B205028	
Cadmium	---	U	3.00	ug/L	B205028	
Chromium	---	U	5.00	ug/L	B205028	
Copper	33.1		10.0	ug/L	B205028	
Lead	---	U	8.00	ug/L	B205028	
Nickel	53.1		20.0	ug/L	B205028	
Selenium	---	U	20.0	ug/L	B205028	
Silver	---	U	5.00	ug/L	B205028	
Zinc	67.5		20.0	ug/L	B205028	
Mercury CVAA						
Mercury	---	U	0.050	ug/L	B205035	
Sanitary						
Ammonia [As N]	9.78		0.100	mg/L	B205062	
Biochemical Oxygen Demand, Carb.	11.6		2.00	mg/L	B204133	05/03/2022 07:32
Cyanide Amenable To Chlorination	---	U	10.0	ug/L	B205034	
Cyanide, Total	10.4		10.0	ug/L	B205034	
Fluoride	0.234		0.0500	mg/L	B205002	
Phosphorus	0.202		0.0500	mg/L	B205006	
Sulfide	0.0156		0.0100	mg/L	B205003	
Total Suspended Solids	32.0		10.0	mg/L	B205004	
Field ID: Ellicott St Disch.- Grab-Comp			**Sample ID: 2204062-02**			
NVOA GCMS						
Acenaphthene	---	U L	5.15	ug/L	B205022	
Acenaphthylene	---	U L	5.15	ug/L	B205022	
Anthracene	---	U L	5.15	ug/L	B205022	
Benzo(A)Anthracene	---	U	5.15	ug/L	B205022	
Benzo(A)Pyrene	---	U	5.15	ug/L	B205022	
Benzo(B)Fluoranthene	---	U	5.15	ug/L	B205022	
Benzo(G,H,I)Perylene	---	U	5.15	ug/L	B205022	

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Ellicott St Disch.- Grab-Comp					**Sample ID: 2204062-02**	
NVOA GCMS						
Benzo(K)Fluoranthene	---	U	5.15	ug/L	B205022	
Chrysene	---	U	5.15	ug/L	B205022	
Dibenzo(A,H)Anthracene	---	U	5.15	ug/L	B205022	
Fluoranthene	---	U	5.15	ug/L	B205022	
Fluorene	---	U L	5.15	ug/L	B205022	
Indeno(1,2,3-Cd)Pyrene	---	U	5.15	ug/L	B205022	
Naphthalene	---	U L	5.15	ug/L	B205022	
Phenanthrene	---	U L	5.15	ug/L	B205022	
1,2,4-Trichlorobenzene	---	U L	5.15	ug/L	B205022	
2,4,6-Trichlorophenol	---	U L	5.15	ug/L	B205022	
2,4-Dichlorophenol	---	U L	5.15	ug/L	B205022	
2,4-Dimethylphenol	---	U L	5.15	ug/L	B205022	
2,4-Dinitrotoluene	---	U L	5.15	ug/L	B205022	
2,6-Dinitrotoluene	---	U L	5.15	ug/L	B205022	
2,4-Dinitrophenol	---	U	30.9	ug/L	B205022	
2-Chloronaphthalene	---	U L	5.15	ug/L	B205022	
2-Chlorophenol	---	U L	5.15	ug/L	B205022	
2-Nitrophenol	---	U L	5.15	ug/L	B205022	
3,3'- Dichlorobenzidine	---	U	5.15	ug/L	B205022	
4,6-Dinitro-2-Methylphenol	---	U	30.9	ug/L	B205022	
4-Bromophenyl-Phenylether	---	U L	5.15	ug/L	B205022	
4-Chloro-3-Methylphenol	---	U L	5.15	ug/L	B205022	
4-Chlorophenyl-Phenylether	---	U L	5.15	ug/L	B205022	
4-Nitrophenol	---	U	5.15	ug/L	B205022	
Bis(-2-Chloroethoxy)Methane	---	U L	5.15	ug/L	B205022	
Bis(2-Chloroethyl)Ether	---	U L	5.15	ug/L	B205022	
Bis(2-Chloroisopropyl)Ether	---	U L	5.15	ug/L	B205022	
Bis(2-Ethylhexyl)Phthalate	---	U	14.4	ug/L	B205022	
Butylbenzylphthalate	---	U	5.15	ug/L	B205022	

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Ellicott St Disch.- Grab-Comp					**Sample ID: 2204062-02**	
NVOA GCMS						
Azobenzene	---	U L	5.15	ug/L	B205022	
Diethylphthalate	---	U L	5.15	ug/L	B205022	
Dimethyl Phthalate	---	U L	5.15	ug/L	B205022	
Di-N-Butyl Phthalate	---	U L	5.15	ug/L	B205022	
Di-N-Octyl Phthalate	---	U	5.15	ug/L	B205022	
Hexachlorobenzene	---	U L	5.15	ug/L	B205022	
Hexachlorobutadiene	---	U L	5.15	ug/L	B205022	
Hexachlorocyclopentadiene	---	U J	5.15	ug/L	B205022	
Hexachloroethane	---	U L	5.15	ug/L	B205022	
Isophorone	---	U L	5.15	ug/L	B205022	
Nitrobenzene	---	U L	5.15	ug/L	B205022	
N-Nitrosodimethylamine	---	U L	5.15	ug/L	B205022	
N-Nitroso-Di-N-Propylamine	---	U L	5.15	ug/L	B205022	
N-Nitrosodiphenylamine	---	U	5.15	ug/L	B205022	
Pentachlorophenol	---	U	10.3	ug/L	B205022	
Phenol	---	U L	5.15	ug/L	B205022	
Pyrene	---	U	5.15	ug/L	B205022	
Pest/PCBs GC						
alpha-BHC	---	U J	0.003	ug/L	B205005	
gamma-BHC (Lindane)	---	U J	0.003	ug/L	B205005	
beta-BHC	---	U L	0.003	ug/L	B205005	
delta-BHC	---	U L	0.003	ug/L	B205005	
Heptachlor	---	U L	0.003	ug/L	B205005	
Aldrin	---	U L	0.003	ug/L	B205005	
Heptachlor epoxide	---	U	0.003	ug/L	B205005	
gamma-Chlordane	---	U L	0.003	ug/L	B205005	
alpha-Chlordane	---	U L	0.003	ug/L	B205005	
Endosulfan I	---	U J	0.003	ug/L	B205005	
4,4'-DDE	---	U	0.005	ug/L	B205005	

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Ellicott St Disch.- Grab-Comp				**Sample ID: 2204062-02**		
Pest/PCBs GC						
Dieldrin	---	U L	0.005	ug/L	B205005	
Endrin	---	U	0.005	ug/L	B205005	
4,4'-DDD	---	U	0.005	ug/L	B205005	
Endosulfan II	---	U L	0.005	ug/L	B205005	
4,4'-DDT	---	U	0.005	ug/L	B205005	
Endrin aldehyde	---	U	0.005	ug/L	B205005	
Methoxychlor	---	U	0.026	ug/L	B205005	
Endosulfan sulfate	---	U L	0.005	ug/L	B205005	
Endrin ketone	---	U L	0.005	ug/L	B205005	
Toxaphene	---	U	0.197	ug/L	B205005	
Chlordane	---	U	0.066	ug/L	B205005	
tech-Chlordane	---	U	0.066	ug/L	B205005	
Aroclor 1016	---	U L	0.033	ug/L	B205005	
Aroclor 1221	---	U	0.066	ug/L	B205005	
Aroclor 1232	---	U	0.033	ug/L	B205005	
Aroclor 1242	---	U	0.033	ug/L	B205005	
Aroclor 1248	---	U	0.033	ug/L	B205005	
Aroclor 1254	---	U	0.033	ug/L	B205005	
Aroclor 1260	---	U L	0.033	ug/L	B205005	
Aroclor 1262	---	U	0.033	ug/L	B205005	
Aroclor 1268	---	U	0.033	ug/L	B205005	
Metals ICP						
Arsenic	8.09	J	8.00	ug/L	B205028	
Cadmium	---	U	3.00	ug/L	B205028	
Chromium	---	U	5.00	ug/L	B205028	
Copper	---	U	10.0	ug/L	B205028	
Lead	---	U	8.00	ug/L	B205028	
Nickel	---	U	20.0	ug/L	B205028	
Selenium	---	U	20.0	ug/L	B205028	

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Ellicott St Disch.- Grab-Comp			**Sample ID: 2204062-02**			
Metals ICP						
Silver	---	U	5.00	ug/L	B205028	
Zinc	21.1		20.0	ug/L	B205028	
Mercury CVAA						
Mercury	---	U	0.050	ug/L	B205035	
Sanitary						
Ammonia [As N]	---	U	0.100	mg/L	B205062	
Biochemical Oxygen Demand, Carb.	---	U	2.00	mg/L	B204133	05/03/2022 07:32
Cyanide Amenable To Chlorination	---	U	10.0	ug/L	B205034	
Cyanide, Total	---	U	10.0	ug/L	B205034	
Fluoride	0.317	L	0.0500	mg/L	B205002	
Phosphorus	0.698		0.0500	mg/L	B205006	
Sulfide	---	U	0.0100	mg/L	B205003	
Total Suspended Solids	---	U	10.0	mg/L	B205004	
Field ID: Ellicott St Disch.- Grab#1to #4(Lab Comp)			**Sample ID: 2204062-07**			
VOA GCMS						
Chloromethane	---	U	5.00	ug/L	B204137	
Vinyl Chloride	---	U	5.00	ug/L	B204137	
Bromomethane	---	U	5.00	ug/L	B204137	
Chloroethane	---	U	5.00	ug/L	B204137	
Trichlorofluoromethane	---	U	5.00	ug/L	B204137	
1,1-Dichloroethene	---	U	5.00	ug/L	B204137	
Methylene Chloride	---	U	5.00	ug/L	B204137	
Acrylonitrile	---	U	5.00	ug/L	B204137	
trans-1,2-Dichloroethene	---	U	5.00	ug/L	B204137	
1,1-Dichloroethane	---	U	5.00	ug/L	B204137	
Chloroform	---	U	5.00	ug/L	B204137	
1,1,1-Trichloroethane	---	U	5.00	ug/L	B204137	
Carbon Tetrachloride	---	U	5.00	ug/L	B204137	
1,2-Dichloroethane	---	U	5.00	ug/L	B204137	

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Ellicott St Disch.- Grab#1to #4(Lab Comp)				**Sample ID: 2204062-07**		
VOA GCMS						
Benzene	---	U	5.00	ug/L	B204137	
Trichloroethene	---	U	5.00	ug/L	B204137	
1,2-Dichloropropane	---	U	5.00	ug/L	B204137	
Bromodichloromethane	---	U	5.00	ug/L	B204137	
cis-1,3-Dichloropropene	---	U	5.00	ug/L	B204137	
Toluene	---	U	5.00	ug/L	B204137	
trans-1,3-Dichloropropene	---	U	5.00	ug/L	B204137	
1,1,2-Trichloroethane	---	U	5.00	ug/L	B204137	
Tetrachloroethene	---	U	5.00	ug/L	B204137	
Dibromochloromethane	---	U	5.00	ug/L	B204137	
Chlorobenzene	---	U	5.00	ug/L	B204137	
Ethylbenzene	---	U	5.00	ug/L	B204137	
Bromoform	---	U	5.00	ug/L	B204137	
1,1,2,2-Tetrachloroethane	---	U	5.00	ug/L	B204137	
1,3-Dichlorobenzene	---	U	5.00	ug/L	B204137	
1,4-Dichlorobenzene	---	U	5.00	ug/L	B204137	
1,2-Dichlorobenzene	---	U	5.00	ug/L	B204137	
Field ID: Ellicott St Disch.- Grab				**Sample ID: 2204062-08**		
GC - Sanitary						
Oil & Grease	---	U J	6.10	mg/L	B205067	
Petroleum Hydrocarbons, Tot.	---	U J	6.10	mg/L	B205067	
Field ID: Trip Blank - Grab				**Sample ID: 2204062-09**		
VOA GCMS						
Chloromethane	---	U	5.00	ug/L	B204137	
Vinyl Chloride	---	U	5.00	ug/L	B204137	
Bromomethane	---	U	5.00	ug/L	B204137	
Chloroethane	---	U	5.00	ug/L	B204137	
Trichlorofluoromethane	---	U	5.00	ug/L	B204137	

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Trip Blank - Grab			**Sample ID: 2204062-09**			
VOA GCMS						
1,1-Dichloroethene	---	U	5.00	ug/L	B204137	
Methylene Chloride	---	U	5.00	ug/L	B204137	
Acrylonitrile	---	U	5.00	ug/L	B204137	
trans-1,2-Dichloroethene	---	U	5.00	ug/L	B204137	
1,1-Dichloroethane	---	U	5.00	ug/L	B204137	
Chloroform	---	U	5.00	ug/L	B204137	
1,1,1-Trichloroethane	---	U	5.00	ug/L	B204137	
Carbon Tetrachloride	---	U	5.00	ug/L	B204137	
1,2-Dichloroethane	---	U	5.00	ug/L	B204137	
Benzene	---	U	5.00	ug/L	B204137	
Trichloroethene	---	U	5.00	ug/L	B204137	
1,2-Dichloropropane	---	U	5.00	ug/L	B204137	
Bromodichloromethane	---	U	5.00	ug/L	B204137	
cis-1,3-Dichloropropene	---	U	5.00	ug/L	B204137	
Toluene	---	U	5.00	ug/L	B204137	
trans-1,3-Dichloropropene	---	U	5.00	ug/L	B204137	
1,1,2-Trichloroethane	---	U	5.00	ug/L	B204137	
Tetrachloroethene	---	U	5.00	ug/L	B204137	
Dibromochloromethane	---	U	5.00	ug/L	B204137	
Chlorobenzene	---	U	5.00	ug/L	B204137	
Ethylbenzene	---	U	5.00	ug/L	B204137	
Bromoform	---	U	5.00	ug/L	B204137	
1,1,2,2-Tetrachloroethane	---	U	5.00	ug/L	B204137	
1,3-Dichlorobenzene	---	U	5.00	ug/L	B204137	
1,4-Dichlorobenzene	---	U	5.00	ug/L	B204137	
1,2-Dichlorobenzene	---	U	5.00	ug/L	B204137	
Field ID: Cedar St. Disch.-Grab-Comp			**Sample ID: 2204062-10**			
NVOA GCMS						
Acenaphthene	---	U L	5.26	ug/L	B205022	

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Cedar St. Disch.-Grab-Comp					**Sample ID: 2204062-10**	
NVOA GCMS						
Acenaphthylene	---	U L	5.26	ug/L	B205022	
Anthracene	---	U	5.26	ug/L	B205022	
Benzo(A)Anthracene	---	U	5.26	ug/L	B205022	
Benzo(A)Pyrene	---	U	5.26	ug/L	B205022	
Benzo(B)Fluoranthene	---	U	5.26	ug/L	B205022	
Benzo(G,H,I)Perylene	---	U	5.26	ug/L	B205022	
Benzo(K)Fluoranthene	---	U	5.26	ug/L	B205022	
Chrysene	---	U	5.26	ug/L	B205022	
Dibenzo(A,H)Anthracene	---	U	5.26	ug/L	B205022	
Fluoranthene	---	U	5.26	ug/L	B205022	
Fluorene	---	U L	5.26	ug/L	B205022	
Indeno(1,2,3-Cd)Pyrene	---	U	5.26	ug/L	B205022	
Naphthalene	---	U L	5.26	ug/L	B205022	
Phenanthrene	---	U L	5.26	ug/L	B205022	
1,2,4-Trichlorobenzene	---	U L	5.26	ug/L	B205022	
2,4,6-Trichlorophenol	---	U L	5.26	ug/L	B205022	
2,4-Dichlorophenol	---	U L	5.26	ug/L	B205022	
2,4-Dimethylphenol	---	U L	5.26	ug/L	B205022	
2,4-Dinitrotoluene	---	U L	5.26	ug/L	B205022	
2,6-Dinitrotoluene	---	U L	5.26	ug/L	B205022	
2,4-Dinitrophenol	---	U L	31.6	ug/L	B205022	
2-Chloronaphthalene	---	U L	5.26	ug/L	B205022	
2-Chlorophenol	---	U L	5.26	ug/L	B205022	
2-Nitrophenol	---	U L	5.26	ug/L	B205022	
3,3'- Dichlorobenzidine	---	U	5.26	ug/L	B205022	
4,6-Dinitro-2-Methylphenol	---	U L	31.6	ug/L	B205022	
4-Bromophenyl-Phenylether	---	U L	5.26	ug/L	B205022	
4-Chloro-3-Methylphenol	---	U L	5.26	ug/L	B205022	
4-Chlorophenyl-Phenylether	---	U L	5.26	ug/L	B205022	

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Cedar St. Disch.-Grab-Comp					**Sample ID: 2204062-10**	
NVOA GCMS						
4-Nitrophenol	---	U L	5.26	ug/L	B205022	
Bis(-2-Chloroethoxy)Methane	---	U	5.26	ug/L	B205022	
Bis(2-Chloroethyl)Ether	---	U	5.26	ug/L	B205022	
Bis(2-Chloroisopropyl)Ether	---	U	5.26	ug/L	B205022	
Bis(2-Ethylhexyl)Phthalate	---	U	15.5	ug/L	B205022	
Butylbenzylphthalate	---	U	5.26	ug/L	B205022	
Azobenzene	---	U L	5.26	ug/L	B205022	
Diethylphthalate	---	U L	5.26	ug/L	B205022	
Dimethyl Phthalate	---	U L	5.26	ug/L	B205022	
Di-N-Butyl Phthalate	---	U	5.26	ug/L	B205022	
Di-N-Octyl Phthalate	---	U	5.26	ug/L	B205022	
Hexachlorobenzene	---	U L	5.26	ug/L	B205022	
Hexachlorobutadiene	---	U L	5.26	ug/L	B205022	
Hexachlorocyclopentadiene	---	U J	5.26	ug/L	B205022	
Hexachloroethane	---	U L	5.26	ug/L	B205022	
Isophorone	---	U	5.26	ug/L	B205022	
Nitrobenzene	---	U	5.26	ug/L	B205022	
N-Nitrosodimethylamine	---	U	5.26	ug/L	B205022	
N-Nitroso-Di-N-Propylamine	---	U	5.26	ug/L	B205022	
N-Nitrosodiphenylamine	---	U L	5.26	ug/L	B205022	
Pentachlorophenol	---	U L	10.5	ug/L	B205022	
Phenol	---	U L	5.26	ug/L	B205022	
Pyrene	---	U	5.26	ug/L	B205022	
Pest/PCBs GC						
alpha-BHC	---	U	0.003	ug/L	B205005	
gamma-BHC (Lindane)	---	U	0.003	ug/L	B205005	
beta-BHC	---	U	0.003	ug/L	B205005	
delta-BHC	---	U L	0.003	ug/L	B205005	
Heptachlor	---	U	0.003	ug/L	B205005	

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Cedar St. Disch.-Grab-Comp				**Sample ID: 2204062-10**		
Pest/PCBs GC						
Aldrin	---	U	0.003	ug/L	B205005	
Heptachlor epoxide	---	U	0.003	ug/L	B205005	
gamma-Chlordane	---	U	0.003	ug/L	B205005	
alpha-Chlordane	---	U	0.003	ug/L	B205005	
Endosulfan I	---	U	0.003	ug/L	B205005	
4,4'-DDE	---	U	0.005	ug/L	B205005	
Dieldrin	---	U	0.005	ug/L	B205005	
Endrin	---	U	0.005	ug/L	B205005	
4,4'-DDD	---	U	0.005	ug/L	B205005	
Endosulfan II	---	U	0.005	ug/L	B205005	
4,4'-DDT	---	U	0.005	ug/L	B205005	
Endrin aldehyde	---	U	0.005	ug/L	B205005	
Methoxychlor	---	U	0.026	ug/L	B205005	
Endosulfan sulfate	---	U L	0.005	ug/L	B205005	
Endrin ketone	---	U	0.005	ug/L	B205005	
Toxaphene	---	U	0.194	ug/L	B205005	
Chlordane	---	U	0.065	ug/L	B205005	
tech-Chlordane	---	U	0.065	ug/L	B205005	
Aroclor 1016	---	U	0.032	ug/L	B205005	
Aroclor 1221	---	U	0.065	ug/L	B205005	
Aroclor 1232	---	U	0.032	ug/L	B205005	
Aroclor 1242	---	U	0.032	ug/L	B205005	
Aroclor 1248	---	U	0.032	ug/L	B205005	
Aroclor 1254	---	U	0.032	ug/L	B205005	
Aroclor 1260	---	U	0.032	ug/L	B205005	
Aroclor 1262	---	U	0.032	ug/L	B205005	
Aroclor 1268	---	U	0.032	ug/L	B205005	
Field ID: Cedar St Disch.- Grab#1to #4(Lab Comp)				**Sample ID: 2204062-15**		
VOA GCMS						

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Cedar St Disch.- Grab#1to #4(Lab Comp)				**Sample ID: 2204062-15**		
VOA GCMS						
Chloromethane	---	U	5.00	ug/L	B204137	
Vinyl Chloride	---	U	5.00	ug/L	B204137	
Bromomethane	---	U	5.00	ug/L	B204137	
Chloroethane	---	U	5.00	ug/L	B204137	
Trichlorofluoromethane	---	U	5.00	ug/L	B204137	
1,1-Dichloroethene	---	U	5.00	ug/L	B204137	
Methylene Chloride	---	U	5.00	ug/L	B204137	
Acrylonitrile	---	U	5.00	ug/L	B204137	
trans-1,2-Dichloroethene	---	U	5.00	ug/L	B204137	
1,1-Dichloroethane	---	U	5.00	ug/L	B204137	
Chloroform	---	U	5.00	ug/L	B204137	
1,1,1-Trichloroethane	---	U	5.00	ug/L	B204137	
Carbon Tetrachloride	---	U	5.00	ug/L	B204137	
1,2-Dichloroethane	---	U	5.00	ug/L	B204137	
Benzene	---	U	5.00	ug/L	B204137	
Trichloroethene	---	U	5.00	ug/L	B204137	
1,2-Dichloropropane	---	U	5.00	ug/L	B204137	
Bromodichloromethane	---	U	5.00	ug/L	B204137	
cis-1,3-Dichloropropene	---	U	5.00	ug/L	B204137	
Toluene	---	U	5.00	ug/L	B204137	
trans-1,3-Dichloropropene	---	U	5.00	ug/L	B204137	
1,1,2-Trichloroethane	---	U	5.00	ug/L	B204137	
Tetrachloroethene	---	U	5.00	ug/L	B204137	
Dibromochloromethane	---	U	5.00	ug/L	B204137	
Chlorobenzene	---	U	5.00	ug/L	B204137	
Ethylbenzene	---	U	5.00	ug/L	B204137	
Bromoform	---	U	5.00	ug/L	B204137	
1,1,2,2-Tetrachloroethane	---	U	5.00	ug/L	B204137	
1,3-Dichlorobenzene	---	U	5.00	ug/L	B204137	

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Cedar St Disch.- Grab#1to #4(Lab Comp)			**Sample ID: 2204062-15**			
VOA GCMS						
1,4-Dichlorobenzene	---	U	5.00	ug/L	B204137	
1,2-Dichlorobenzene	---	U	5.00	ug/L	B204137	
Field ID: Cedar St Disch.- Grab			**Sample ID: 2204062-16**			
GC - Sanitary						
Oil & Grease	---	U J	5.70	mg/L	B205067	
Petroleum Hydrocarbons, Tot.	---	U J	5.70	mg/L	B205067	

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B204137									
Blank (B204137-BLK1)									
Chloromethane	--- U	5.00	ug/L						
Vinyl Chloride	--- U	5.00	ug/L						
Bromomethane	--- U	5.00	ug/L						
Chloroethane	--- U	5.00	ug/L						
Trichlorofluoromethane	--- U	5.00	ug/L						
1,1-Dichloroethene	--- U	5.00	ug/L						
Methylene Chloride	--- U	5.00	ug/L						
Acrylonitrile	--- U	5.00	ug/L						
trans-1,2-Dichloroethene	--- U	5.00	ug/L						
1,1-Dichloroethane	--- U	5.00	ug/L						
Chloroform	--- U	5.00	ug/L						
1,1,1-Trichloroethane	--- U	5.00	ug/L						
Carbon Tetrachloride	--- U	5.00	ug/L						
1,2-Dichloroethane	--- U	5.00	ug/L						
Benzene	--- U	5.00	ug/L						
Trichloroethene	--- U	5.00	ug/L						
1,2-Dichloropropane	--- U	5.00	ug/L						
Bromodichloromethane	--- U	5.00	ug/L						
cis-1,3-Dichloropropene	--- U	5.00	ug/L						
Toluene	--- U	5.00	ug/L						
trans-1,3-Dichloropropene	--- U	5.00	ug/L						
1,1,2-Trichloroethane	--- U	5.00	ug/L						
Tetrachloroethene	--- U	5.00	ug/L						
Dibromochloromethane	--- U	5.00	ug/L						
Chlorobenzene	--- U	5.00	ug/L						
Ethylbenzene	--- U	5.00	ug/L						
Bromoform	--- U	5.00	ug/L						
1,1,2,2-Tetrachloroethane	--- U	5.00	ug/L						
1,3-Dichlorobenzene	--- U	5.00	ug/L						
1,4-Dichlorobenzene	--- U	5.00	ug/L						
1,2-Dichlorobenzene	--- U	5.00	ug/L						
Surrogate: 1,4-Difluorobenzene	*ND*		ug/L	*100.0*		*99.0*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*ND*		ug/L	*100.0*		*93.2*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*ND*		ug/L	*100.0*		*99.9*	*60-140*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B204137									
LCS (B204137-BS1)									
Chloromethane	55.1		ug/L	50.00		110	19-205		
Vinyl Chloride	38.2		ug/L	50.00		76.4	5-195		
Bromomethane	47.3		ug/L	50.00		94.5	15-185		
Chloroethane	46.2		ug/L	50.00		92.4	40-160		
Trichlorofluoromethane	49.4		ug/L	50.00		98.8	50-150		
1,1-Dichloroethene	44.7		ug/L	50.00		89.3	50-150		
Methylene Chloride	44.0		ug/L	50.00		88.0	60-140		
Acrylonitrile	45.9		ug/L	50.00		91.8	60-140		
trans-1,2-Dichloroethene	46.4		ug/L	50.00		92.8	70-130		
1,1-Dichloroethane	44.2		ug/L	50.00		88.4	70-130		
Chloroform	44.3		ug/L	50.00		88.6	70-135		
1,1,1-Trichloroethane	45.8		ug/L	50.00		91.6	70-130		
Carbon Tetrachloride	44.6		ug/L	50.00		89.3	70-130		
1,2-Dichloroethane	45.1		ug/L	50.00		90.2	70-130		
Benzene	43.7		ug/L	50.00		87.4	65-135		
Trichloroethene	41.8		ug/L	50.00		83.5	65-135		
1,2-Dichloropropane	43.9		ug/L	50.00		87.9	35-165		
Bromodichloromethane	43.3		ug/L	50.00		86.6	65-135		
cis-1,3-Dichloropropene	44.6		ug/L	50.00		89.2	25-175		
Toluene	43.3		ug/L	50.00		86.6	70-130		
trans-1,3-Dichloropropene	48.3		ug/L	50.00		96.6	50-150		
1,1,2-Trichloroethane	43.2		ug/L	50.00		86.3	70-130		
Tetrachloroethene	43.5		ug/L	50.00		87.0	70-130		
Dibromochloromethane	44.2		ug/L	50.00		88.4	70-135		
Chlorobenzene	43.5		ug/L	50.00		87.0	65-135		
Ethylbenzene	45.5		ug/L	50.00		91.0	60-140		
Bromoform	42.7		ug/L	50.00		85.4	70-130		
1,1,2,2-Tetrachloroethane	45.6		ug/L	50.00		91.2	60-140		
1,3-Dichlorobenzene	45.0		ug/L	50.00		89.9	70-130		
1,4-Dichlorobenzene	44.4		ug/L	50.00		88.8	65-135		
1,2-Dichlorobenzene	44.6		ug/L	50.00		89.2	65-135		
Surrogate: 1,4-Difluorobenzene	*98.6*		ug/L	*100.0*		*98.6*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*97.2*		ug/L	*100.0*		*97.2*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*96.0*		ug/L	*100.0*		*96.0*	*60-140*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B204137									
LCS Dup (B204137-BSD1)									
Chloromethane	60.3		ug/L	50.00		121	19-205	9.10	20
Vinyl Chloride	42.2		ug/L	50.00		84.4	5-195	10.0	20
Bromomethane	53.4		ug/L	50.00		107	15-185	12.2	20
Chloroethane	51.4		ug/L	50.00		103	40-160	10.6	20
Trichlorofluoromethane	54.9		ug/L	50.00		110	50-150	10.6	20
1,1-Dichloroethene	49.3		ug/L	50.00		98.6	50-150	9.85	20
Methylene Chloride	49.4		ug/L	50.00		98.7	60-140	11.5	20
Acrylonitrile	53.1		ug/L	50.00		106	60-140	14.6	20
trans-1,2-Dichloroethene	52.4		ug/L	50.00		105	70-130	12.2	20
1,1-Dichloroethane	49.8		ug/L	50.00		99.5	70-130	11.9	20
Chloroform	50.3		ug/L	50.00		101	70-135	12.7	20
1,1,1-Trichloroethane	51.2		ug/L	50.00		102	70-130	11.1	20
Carbon Tetrachloride	49.6		ug/L	50.00		99.2	70-130	10.5	20
1,2-Dichloroethane	50.9		ug/L	50.00		102	70-130	12.1	20
Benzene	50.0		ug/L	50.00		99.9	65-135	13.4	20
Trichloroethene	48.6		ug/L	50.00		97.2	65-135	15.1	20
1,2-Dichloropropane	51.3		ug/L	50.00		103	35-165	15.6	20
Bromodichloromethane	49.8		ug/L	50.00		99.6	65-135	13.9	20
cis-1,3-Dichloropropene	52.1		ug/L	50.00		104	25-175	15.5	20
Toluene	49.5		ug/L	50.00		99.1	70-130	13.4	20
trans-1,3-Dichloropropene	55.1		ug/L	50.00		110	50-150	13.2	20
1,1,2-Trichloroethane	49.5		ug/L	50.00		99.0	70-130	13.7	20
Tetrachloroethene	49.5		ug/L	50.00		99.0	70-130	13.0	20
Dibromochloromethane	50.9		ug/L	50.00		102	70-135	14.2	20
Chlorobenzene	50.6		ug/L	50.00		101	65-135	15.1	20
Ethylbenzene	52.4		ug/L	50.00		105	60-140	14.1	20
Bromoform	50.0		ug/L	50.00		99.9	70-130	15.6	20
1,1,2,2-Tetrachloroethane	53.1		ug/L	50.00		106	60-140	15.2	20
1,3-Dichlorobenzene	51.0		ug/L	50.00		102	70-130	12.6	20
1,4-Dichlorobenzene	51.1		ug/L	50.00		102	65-135	14.0	20
1,2-Dichlorobenzene	51.5		ug/L	50.00		103	65-135	14.4	20
Surrogate: 1,4-Difluorobenzene	*99.6*		ug/L	*100.0*		*99.6*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*98.3*		ug/L	*100.0*		*98.3*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*95.7*		ug/L	*100.0*		*95.7*	*60-140*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B204137									
Matrix Spike (B204137-MS1)	**Source: 2204062-07**								
Chloromethane	52.9		ug/L	50.00	0.00	106	19-273		
Vinyl Chloride	42.0		ug/L	50.00	0.00	84.0	49-251		
Bromomethane	48.6		ug/L	50.00	0.00	97.1	21-242		
Chloroethane	51.5		ug/L	50.00	0.00	103	14-230		
Trichlorofluoromethane	51.3		ug/L	50.00	0.00	103	17-181		
1,1-Dichloroethene	52.2		ug/L	50.00	0.00	104	52-234		
Methylene Chloride	50.3		ug/L	50.00	0.00	101	69-221		
Acrylonitrile	49.0		ug/L	50.00	0.00	98.0	40-160		
trans-1,2-Dichloroethene	51.0		ug/L	50.00	0.00	102	54-156		
1,1-Dichloroethane	51.3		ug/L	50.00	0.00	103	59-155		
Chloroform	50.9		ug/L	50.00	0.00	102	51-138		
1,1,1-Trichloroethane	50.5		ug/L	50.00	0.00	101	52-162		
Carbon Tetrachloride	50.3		ug/L	50.00	0.00	101	70-140		
1,2-Dichloroethane	50.6		ug/L	50.00	0.00	101	49-155		
Benzene	50.8		ug/L	50.00	0.00	102	37-151		
Trichloroethene	48.3		ug/L	50.00	0.00	96.6	70-157		
1,2-Dichloropropane	50.8		ug/L	50.00	0.00	102	74-210		
Bromodichloromethane	49.4		ug/L	50.00	0.00	98.8	35-155		
cis-1,3-Dichloropropene	50.8		ug/L	50.00	0.00	102	80-227		
Toluene	49.3		ug/L	50.00	0.00	98.5	47-150		
trans-1,3-Dichloropropene	50.9		ug/L	50.00	0.00	102	17-183		
1,1,2-Trichloroethane	49.5		ug/L	50.00	0.00	99.1	52-150		
Tetrachloroethene	49.1		ug/L	50.00	0.00	98.3	64-148		
Dibromochloromethane	49.3		ug/L	50.00	0.00	98.6	53-149		
Chlorobenzene	49.9		ug/L	50.00	0.00	99.7	37-160		
Ethylbenzene	51.1		ug/L	50.00	0.00	102	37-162		
Bromoform	47.8		ug/L	50.00	0.00	95.6	45-169		
1,1,2,2-Tetrachloroethane	51.4		ug/L	50.00	0.00	103	46-157		
1,3-Dichlorobenzene	49.7		ug/L	50.00	0.00	99.5	59-156		
1,4-Dichlorobenzene	49.8		ug/L	50.00	0.00	99.6	18-190		
1,2-Dichlorobenzene	49.8		ug/L	50.00	0.00	99.6	18-190		
Surrogate: 1,4-Difluorobenzene	*99.3*		ug/L	*100.0*		*99.3*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*98.2*		ug/L	*100.0*		*98.2*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*96.0*		ug/L	*100.0*		*96.0*	*60-140*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B204137									
Matrix Spike Dup (B204137-MSD1)	**Source: 2204062-07**								
Chloromethane	54.0		ug/L	50.00	0.00	108	19-273	2.15	28
Vinyl Chloride	42.3		ug/L	50.00	0.00	84.7	49-251	0.830	28
Bromomethane	50.2		ug/L	50.00	0.00	100	21-242	3.32	28
Chloroethane	52.1		ug/L	50.00	0.00	104	14-230	1.27	28
Trichlorofluoromethane	52.3		ug/L	50.00	0.00	105	17-181	1.91	28
1,1-Dichloroethene	52.4		ug/L	50.00	0.00	105	52-234	0.383	28
Methylene Chloride	50.9		ug/L	50.00	0.00	102	69-221	1.21	28
Acrylonitrile	51.6		ug/L	50.00	0.00	103	40-160	5.03	28
trans-1,2-Dichloroethene	52.5		ug/L	50.00	0.00	105	54-156	2.82	28
1,1-Dichloroethane	51.9		ug/L	50.00	0.00	104	59-155	1.26	28
Chloroform	52.2		ug/L	50.00	0.00	104	51-138	2.39	28
1,1,1-Trichloroethane	52.3		ug/L	50.00	0.00	105	52-162	3.54	28
Carbon Tetrachloride	51.8		ug/L	50.00	0.00	104	70-140	2.82	28
1,2-Dichloroethane	51.7		ug/L	50.00	0.00	103	49-155	2.11	28
Benzene	51.3		ug/L	50.00	0.00	103	37-151	0.959	28
Trichloroethene	48.6		ug/L	50.00	0.00	97.2	70-157	0.557	28
1,2-Dichloropropane	51.3		ug/L	50.00	0.00	103	74-210	1.06	28
Bromodichloromethane	50.5		ug/L	50.00	0.00	101	35-155	2.12	28
cis-1,3-Dichloropropene	52.1		ug/L	50.00	0.00	104	80-227	2.54	28
Toluene	50.0		ug/L	50.00	0.00	100	47-150	1.45	28
trans-1,3-Dichloropropene	52.4		ug/L	50.00	0.00	105	17-183	2.84	28
1,1,2-Trichloroethane	51.3		ug/L	50.00	0.00	103	52-150	3.55	28
Tetrachloroethene	50.2		ug/L	50.00	0.00	100	64-148	2.17	28
Dibromochloromethane	50.8		ug/L	50.00	0.00	102	53-149	2.96	28
Chlorobenzene	50.3		ug/L	50.00	0.00	101	37-160	0.859	28
Ethylbenzene	51.6		ug/L	50.00	0.00	103	37-162	1.07	28
Bromoform	49.6		ug/L	50.00	0.00	99.2	45-169	3.76	28
1,1,2,2-Tetrachloroethane	53.0		ug/L	50.00	0.00	106	46-157	3.03	28
1,3-Dichlorobenzene	50.3		ug/L	50.00	0.00	101	59-156	1.20	28
1,4-Dichlorobenzene	50.4		ug/L	50.00	0.00	101	18-190	1.12	28
1,2-Dichlorobenzene	50.8		ug/L	50.00	0.00	102	18-190	2.05	28
Surrogate: 1,4-Difluorobenzene	*99.7*		ug/L	*100.0*		*99.7*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*97.9*		ug/L	*100.0*		*97.9*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*96.9*		ug/L	*100.0*		*96.9*	*60-140*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
Blank (B205022-BLK1)									
Acenaphthene	--- U	5.00	ug/L						
Acenaphthylene	--- U	5.00	ug/L						
Anthracene	--- U	5.00	ug/L						
Benzo(A)Anthracene	--- U	5.00	ug/L						
Benzo(A)Pyrene	--- U	5.00	ug/L						
Benzo(B)Fluoranthene	--- U	5.00	ug/L						
Benzo(G,H,I)Perylene	--- U	5.00	ug/L						
Benzo(K)Fluoranthene	--- U	5.00	ug/L						
Chrysene	--- U	5.00	ug/L						
Dibenzo(A,H)Anthracene	--- U	5.00	ug/L						
Fluoranthene	--- U	5.00	ug/L						
Fluorene	--- U	5.00	ug/L						
Indeno(1,2,3-Cd)Pyrene	--- U	5.00	ug/L						
Naphthalene	--- U	5.00	ug/L						
Phenanthrene	--- U	5.00	ug/L						
1,2,4-Trichlorobenzene	--- U	5.00	ug/L						
2,4,6-Trichlorophenol	--- U	5.00	ug/L						
2,4-Dichlorophenol	--- U	5.00	ug/L						
2,4-Dimethylphenol	--- U	5.00	ug/L						
2,4-Dinitrotoluene	--- U	5.00	ug/L						
2,6-Dinitrotoluene	--- U	5.00	ug/L						
2,4-Dinitrophenol	--- U	30.0	ug/L						
2-Chloronaphthalene	--- U	5.00	ug/L						
2-Chlorophenol	--- U	5.00	ug/L						
2-Nitrophenol	--- U	5.00	ug/L						
3,3'- Dichlorobenzidine	--- U	5.00	ug/L						
4,6-Dinitro-2-Methylphenol	--- U	30.0	ug/L						
4-Bromophenyl-Phenylether	--- U	5.00	ug/L						
4-Chloro-3-Methylphenol	--- U	5.00	ug/L						
4-Chlorophenyl-Phenylether	--- U	5.00	ug/L						
4-Nitrophenol	--- U	5.00	ug/L						
Bis(-2-Chloroethoxy)Methane	--- U	5.00	ug/L						
Bis(2-Chloroethyl)Ether	--- U	5.00	ug/L						
Bis(2-Chloroisopropyl)Ether	--- U	5.00	ug/L						
Bis(2-Ethylhexyl)Phthalate	13.1	5.00	ug/L						

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
Blank (B205022-BLK1)									
Butylbenzylphthalate	--- U	5.00	ug/L						
Azobenzene	--- U	5.00	ug/L						
Diethylphthalate	--- U	5.00	ug/L						
Dimethyl Phthalate	--- U	5.00	ug/L						
Di-N-Butyl Phthalate	--- U	5.00	ug/L						
Di-N-Octyl Phthalate	--- U	5.00	ug/L						
Hexachlorobenzene	--- U	5.00	ug/L						
Hexachlorobutadiene	--- U	5.00	ug/L						
Hexachlorocyclopentadiene	--- U	5.00	ug/L						
Hexachloroethane	--- U	5.00	ug/L						
Isophorone	--- U	5.00	ug/L						
Nitrobenzene	--- U	5.00	ug/L						
N-Nitrosodimethylamine	--- U	5.00	ug/L						
N-Nitroso-Di-N-Propylamine	--- U	5.00	ug/L						
N-Nitrosodiphenylamine	--- U	5.00	ug/L						
Pentachlorophenol	--- U	10.0	ug/L						
Phenol	--- U	5.00	ug/L						
Pyrene	--- U	5.00	ug/L						
Surrogate: 2-Fluoroaniline	*ND*		ug/L	*50.00*		*45.7*	*60-140*		
Surrogate: Phenol-D6	*ND*		ug/L	*50.00*		*25.7*	*60-140*		
Surrogate: Naphthalene-D8	*31.2*		ug/L	*50.00*		*62.4*	*60-140*		
Surrogate: 1-Fluoronaphthalene	*30.0*		ug/L	*50.00*		*60.1*	*60-140*		
Surrogate: 2,4-Dibromophenol	*31.6*		ug/L	*50.00*		*63.2*	*60-140*		
Surrogate: Anthracene-D10	*50.0*		ug/L	*50.00*		*99.9*	*60-140*		
Surrogate: Chrysene-D12	*38.1*		ug/L	*50.00*		*76.1*	*60-140*		
LCS (B205022-BS1)									
Acenaphthene	36.4	5.00	ug/L	50.00		72.9	47-145		
Acenaphthylene	37.3	5.00	ug/L	50.00		74.7	33-145		
Anthracene	41.0	5.00	ug/L	50.00		81.9	27-133		
Benzo(A)Anthracene	44.7	5.00	ug/L	50.00		89.5	33-143		
Benzo(A)Pyrene	48.0	5.00	ug/L	50.00		96.1	17-163		
Benzo(B)Fluoranthene	47.7	5.00	ug/L	50.00		95.4	24-159		
Benzo(G,H,I)Perylene	47.5	5.00	ug/L	50.00		94.9	35-219		
Benzo(K)Fluoranthene	42.6	5.00	ug/L	50.00		85.1	11-162		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
LCS (B205022-BS1)									
Chrysene	45.3	5.00	ug/L	50.00		90.5	17-168		
Dibenzo(A,H)Anthracene	45.9	5.00	ug/L	50.00		91.7	33-227		
Fluoranthene	42.3	5.00	ug/L	50.00		84.5	26-137		
Fluorene	40.0	5.00	ug/L	50.00		79.9	59-121		
Indeno(1,2,3-Cd)Pyrene	44.5	5.00	ug/L	50.00		89.1	39-171		
Naphthalene	30.2	5.00	ug/L	50.00		60.5	21-133		
Phenanthrene	41.9	5.00	ug/L	50.00		83.8	54-120		
1,2,4-Trichlorobenzene	28.0	5.00	ug/L	50.00		55.9	44-142		
2,4,6-Trichlorophenol	37.1	5.00	ug/L	50.00		74.3	37-144		
2,4-Dichlorophenol	31.6	5.00	ug/L	50.00		63.1	39-135		
2,4-Dimethylphenol	31.4	5.00	ug/L	50.00		62.8	32-120		
2,4-Dinitrotoluene	45.8	5.00	ug/L	50.00		91.6	39-139		
2,6-Dinitrotoluene	44.4	5.00	ug/L	50.00		88.8	50-158		
2,4-Dinitrophenol	32.3	30.0	ug/L	50.00		64.6	21-191		
2-Chloronaphthalene	33.9	5.00	ug/L	50.00		67.7	60-120		
2-Chlorophenol	23.9	5.00	ug/L	50.00		47.8	23-134		
2-Nitrophenol	34.0	5.00	ug/L	50.00		67.9	29-182		
3,3'- Dichlorobenzidine	58.3	5.00	ug/L	50.00		117	38-262		
4,6-Dinitro-2-Methylphenol	43.1	30.0	ug/L	50.00		86.2	17-181		
4-Bromophenyl-Phenylether	42.6	5.00	ug/L	50.00		85.2	53-127		
4-Chloro-3-Methylphenol	32.5	5.00	ug/L	50.00		65.1	22-147		
4-Chlorophenyl-Phenylether	41.2	5.00	ug/L	50.00		82.5	25-158		
4-Nitrophenol	14.6	5.00	ug/L	50.00		29.1	9-132		
Bis(-2-Chloroethoxy)Methane	34.9	5.00	ug/L	50.00		69.8	33-184		
Bis(2-Chloroethyl)Ether	31.2	5.00	ug/L	50.00		62.5	12-158		
Bis(2-Chloroisopropyl)Ether	29.6	5.00	ug/L	50.00		59.3	36-166		
Bis(2-Ethylhexyl)Phthalate	69.2	5.00	ug/L	50.00		138	8-158		
Butylbenzylphthalate	45.8	5.00	ug/L	50.00		91.6	38-152		
Azobenzene	42.2	5.00	ug/L	50.00		84.3	60-115		
Diethylphthalate	41.3	5.00	ug/L	50.00		82.7	31-114		
Dimethyl Phthalate	33.9	5.00	ug/L	50.00		67.8	28-120		
Di-N-Butyl Phthalate	45.6	5.00	ug/L	50.00		91.3	1-120		
Di-N-Octyl Phthalate	55.6	5.00	ug/L	50.00		111	4-146		
Hexachlorobenzene	41.1	5.00	ug/L	50.00		82.2	35-152		
Hexachlorobutadiene	27.6	5.00	ug/L	50.00		55.1	24-120		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
LCS (B205022-BS1)									
Hexachlorocyclopentadiene	31.7	5.00	ug/L	50.00		63.5	15-76		
Hexachloroethane	26.4	5.00	ug/L	50.00		52.8	40-120		
Isophorone	39.9	5.00	ug/L	50.00		79.7	21-196		
Nitrobenzene	32.6	5.00	ug/L	50.00		65.3	35-180		
N-Nitrosodimethylamine	16.9	5.00	ug/L	50.00		33.8	17-127		
N-Nitroso-Di-N-Propylamine	35.5	5.00	ug/L	50.00		71.1	43-230		
N-Nitrosodiphenylamine	48.1	5.00	ug/L	50.00		96.2	79-139		
Pentachlorophenol	27.6	10.0	ug/L	50.00		55.3	14-176		
Phenol	11.1	5.00	ug/L	50.00		22.1	5-120		
Pyrene	41.3	5.00	ug/L	50.00		82.7	52-120		
Surrogate: 2-Fluoroaniline	*29.0*		ug/L	*50.00*		*58.1*	*60-140*		
Surrogate: Phenol-D6	*10.6*		ug/L	*50.00*		*21.3*	*60-140*		
Surrogate: Naphthalene-D8	*30.6*		ug/L	*50.00*		*61.3*	*60-140*		
Surrogate: 1-Fluoronaphthalene	*29.4*		ug/L	*50.00*		*58.9*	*60-140*		
Surrogate: 2,4-Dibromophenol	*35.0*		ug/L	*50.00*		*70.1*	*60-140*		
Surrogate: Anthracene-D10	*52.7*		ug/L	*50.00*		*105*	*60-140*		
Surrogate: Chrysene-D12	*42.4*		ug/L	*50.00*		*84.8*	*60-140*		
LCS Dup (B205022-BSD1)									
Acenaphthene	32.8	5.00	ug/L	50.00		65.5	47-145	10.6	30
Acenaphthylene	33.2	5.00	ug/L	50.00		66.3	33-145	11.8	30
Anthracene	38.4	5.00	ug/L	50.00		76.8	27-133	6.40	30
Benzo(A)Anthracene	41.2	5.00	ug/L	50.00		82.3	33-143	8.34	30
Benzo(A)Pyrene	43.1	5.00	ug/L	50.00		86.1	17-163	10.9	30
Benzo(B)Fluoranthene	43.2	5.00	ug/L	50.00		86.4	24-159	9.94	30
Benzo(G,H,I)Perylene	43.5	5.00	ug/L	50.00		87.0	35-219	8.71	30
Benzo(K)Fluoranthene	39.2	5.00	ug/L	50.00		78.4	11-162	8.22	30
Chrysene	42.3	5.00	ug/L	50.00		84.7	17-168	6.67	30
Dibenzo(A,H)Anthracene	41.9	5.00	ug/L	50.00		83.9	33-227	8.97	30
Fluoranthene	39.2	5.00	ug/L	50.00		78.3	26-137	7.64	30
Fluorene	37.6	5.00	ug/L	50.00		75.2	59-121	6.06	30
Indeno(1,2,3-Cd)Pyrene	48.4	5.00	ug/L	50.00		96.8	39-171	8.29	30
Naphthalene	28.1	5.00	ug/L	50.00		56.1	21-133	7.48	30
Phenanthrene	39.4	5.00	ug/L	50.00		78.9	54-120	6.00	30
1,2,4-Trichlorobenzene	25.9	5.00	ug/L	50.00		51.8	44-142	7.65	30

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
LCS Dup (B205022-BSD1)									
2,4,6-Trichlorophenol	33.8	5.00	ug/L	50.00		67.7	37-144	9.30	30
2,4-Dichlorophenol	31.7	5.00	ug/L	50.00		63.4	39-135	0.474	30
2,4-Dimethylphenol	25.9	5.00	ug/L	50.00		51.9	32-120	19.1	30
2,4-Dinitrotoluene	43.8	5.00	ug/L	50.00		87.6	39-139	4.49	30
2,6-Dinitrotoluene	40.0	5.00	ug/L	50.00		80.0	50-158	10.4	30
2,4-Dinitrophenol	30.3	30.0	ug/L	50.00		60.6	21-191	6.36	30
2-Chloronaphthalene	30.6	5.00	ug/L	50.00		61.1	60-120	10.2	30
2-Chlorophenol	26.3	5.00	ug/L	50.00		52.7	23-134	9.80	30
2-Nitrophenol	33.0	5.00	ug/L	50.00		66.1	29-182	2.69	30
3,3'- Dichlorobenzidine	52.6	5.00	ug/L	50.00		105	38-262	10.2	30
4,6-Dinitro-2-Methylphenol	39.4	30.0	ug/L	50.00		78.8	17-181	9.02	30
4-Bromophenyl-Phenylether	40.0	5.00	ug/L	50.00		79.9	53-127	6.42	30
4-Chloro-3-Methylphenol	33.6	5.00	ug/L	50.00		67.2	22-147	3.18	30
4-Chlorophenyl-Phenylether	38.4	5.00	ug/L	50.00		76.8	25-158	7.18	30
4-Nitrophenol	17.0	5.00	ug/L	50.00		34.1	9-132	15.8	30
Bis(-2-Chloroethoxy)Methane	32.1	5.00	ug/L	50.00		64.2	33-184	8.39	30
Bis(2-Chloroethyl)Ether	29.4	5.00	ug/L	50.00		58.9	12-158	5.93	30
Bis(2-Chloroisopropyl)Ether	27.3	5.00	ug/L	50.00		54.6	36-166	8.22	30
Bis(2-Ethylhexyl)Phthalate	66.5	5.00	ug/L	50.00		133	8-158	4.11	30
Butylbenzylphthalate	40.4	5.00	ug/L	50.00		80.9	38-152	12.5	30
Azobenzene	39.6	5.00	ug/L	50.00		79.1	60-115	6.39	30
Diethylphthalate	38.2	5.00	ug/L	50.00		76.5	31-114	7.74	30
Dimethyl Phthalate	29.7	5.00	ug/L	50.00		59.4	28-120	13.2	30
Di-N-Butyl Phthalate	41.9	5.00	ug/L	50.00		83.7	1-120	8.64	30
Di-N-Octyl Phthalate	50.2	5.00	ug/L	50.00		100	4-146	10.3	30
Hexachlorobenzene	37.9	5.00	ug/L	50.00		75.8	35-152	8.07	30
Hexachlorobutadiene	25.9	5.00	ug/L	50.00		51.7	24-120	6.36	30
Hexachlorocyclopentadiene	29.7	5.00	ug/L	50.00		59.4	15-76	6.64	30
Hexachloroethane	24.0	5.00	ug/L	50.00		47.9	40-120	9.69	30
Isophorone	35.9	5.00	ug/L	50.00		71.8	21-196	10.4	30
Nitrobenzene	30.2	5.00	ug/L	50.00		60.4	35-180	7.80	30
N-Nitrosodimethylamine	17.5	5.00	ug/L	50.00		35.1	17-127	3.60	30
N-Nitroso-Di-N-Propylamine	33.1	5.00	ug/L	50.00		66.3	43-230	6.99	30
N-Nitrosodiphenylamine	44.8	5.00	ug/L	50.00		89.5	79-139	7.21	30
Pentachlorophenol	24.8	10.0	ug/L	50.00		49.6	14-176	10.8	30

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
LCS Dup (B205022-BSD1)									
Phenol	12.8	5.00	ug/L	50.00		25.5	5-120	14.3	30
Pyrene	37.9	5.00	ug/L	50.00		75.9	52-120	8.58	30
Surrogate: 2-Fluoroaniline	*29.8*		ug/L	*50.00*		*59.6*	*60-140*		
Surrogate: Phenol-D6	*12.3*		ug/L	*50.00*		*24.6*	*60-140*		
Surrogate: Naphthalene-D8	*28.5*		ug/L	*50.00*		*57.0*	*60-140*		
Surrogate: 1-Fluoronaphthalene	*27.5*		ug/L	*50.00*		*55.1*	*60-140*		
Surrogate: 2,4-Dibromophenol	*33.6*		ug/L	*50.00*		*67.2*	*60-140*		
Surrogate: Anthracene-D10	*49.4*		ug/L	*50.00*		*98.8*	*60-140*		
Surrogate: Chrysene-D12	*40.3*		ug/L	*50.00*		*80.7*	*60-140*		
Matrix Spike (B205022-MS1)	**Source: 2204062-10**								
Acenaphthene	24.2	5.32	ug/L	53.19	ND	45.5	47-145		
Acenaphthylene	24.9	5.32	ug/L	53.19	ND	46.7	33-145		
Anthracene	29.7	5.32	ug/L	53.19	ND	55.8	27-133		
Benzo(A)Anthracene	32.1	5.32	ug/L	53.19	ND	60.4	33-143		
Benzo(A)Pyrene	32.5	5.32	ug/L	53.19	ND	61.1	17-163		
Benzo(B)Fluoranthene	32.2	5.32	ug/L	53.19	ND	60.5	24-159		
Benzo(G,H,I)Perylene	33.6	5.32	ug/L	53.19	ND	63.1	35-219		
Benzo(K)Fluoranthene	31.4	5.32	ug/L	53.19	ND	59.1	11-162		
Chrysene	32.3	5.32	ug/L	53.19	ND	60.7	17-168		
Dibenzo(A,H)Anthracene	34.2	5.32	ug/L	53.19	ND	64.3	33-227		
Fluoranthene	30.3	5.32	ug/L	53.19	ND	57.0	26-137		
Fluorene	29.0	5.32	ug/L	53.19	ND	54.5	59-121		
Indeno(1,2,3-Cd)Pyrene	41.5	5.32	ug/L	53.19	ND	78.0	39-171		
Naphthalene	20.1	5.32	ug/L	53.19	ND	37.7	21-133		
Phenanthrene	30.8	5.32	ug/L	53.19	ND	57.8	54-120		
1,2,4-Trichlorobenzene	18.0	5.32	ug/L	53.19	ND	33.8	44-142		
2,4,6-Trichlorophenol	24.1	5.32	ug/L	53.19	ND	45.2	37-144		
2,4-Dichlorophenol	23.4	5.32	ug/L	53.19	ND	43.9	39-135		
2,4-Dimethylphenol	22.9	5.32	ug/L	53.19	ND	43.0	32-120		
2,4-Dinitrotoluene	32.9	5.32	ug/L	53.19	ND	61.9	39-139		
2,6-Dinitrotoluene	29.7	5.32	ug/L	53.19	ND	55.9	50-158		
2,4-Dinitrophenol	31.5	31.9	ug/L	53.19	ND	59.2	21-191		
2-Chloronaphthalene	22.2	5.32	ug/L	53.19	ND	41.8	60-120		
2-Chlorophenol	18.8	5.32	ug/L	53.19	ND	35.3	23-134		

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
Matrix Spike (B205022-MS1)	**Source: 2204062-10**								
2-Nitrophenol	22.8	5.32	ug/L	53.19	ND	42.9	29-182		
3,3'- Dichlorobenzidine	23.5	5.32	ug/L	53.19	ND	44.2	38-262		
4,6-Dinitro-2-Methylphenol	27.1	31.9	ug/L	53.19	ND	50.9	17-181		
4-Bromophenyl-Phenylether	29.9	5.32	ug/L	53.19	ND	56.3	53-127		
4-Chloro-3-Methylphenol	27.5	5.32	ug/L	53.19	ND	51.8	22-147		
4-Chlorophenyl-Phenylether	28.5	5.32	ug/L	53.19	ND	53.5	25-158		
4-Nitrophenol	11.2	5.32	ug/L	53.19	ND	21.0	9-132		
Bis(-2-Chloroethoxy)Methane	23.9	5.32	ug/L	53.19	ND	44.9	33-184		
Bis(2-Chloroethyl)Ether	21.4	5.32	ug/L	53.19	ND	40.2	12-158		
Bis(2-Chloroisopropyl)Ether	21.5	5.32	ug/L	53.19	ND	40.5	36-166		
Bis(2-Ethylhexyl)Phthalate	56.2	5.32	ug/L	53.19	ND	106	8-158		
Butylbenzylphthalate	33.9	5.32	ug/L	53.19	ND	63.8	38-152		
Azobenzene	30.7	5.32	ug/L	53.19	ND	57.6	61-106		
Diethylphthalate	31.8	5.32	ug/L	53.19	ND	59.9	31-114		
Dimethyl Phthalate	27.6	5.32	ug/L	53.19	ND	51.9	28-120		
Di-N-Butyl Phthalate	33.8	5.32	ug/L	53.19	ND	63.6	1-120		
Di-N-Octyl Phthalate	44.4	5.32	ug/L	53.19	ND	83.4	4-146		
Hexachlorobenzene	28.7	5.32	ug/L	53.19	ND	53.9	35-152		
Hexachlorobutadiene	16.9	5.32	ug/L	53.19	ND	31.8	24-120		
Hexachlorocyclopentadiene	11.5	5.32	ug/L	53.19	ND	21.6	15-76		
Hexachloroethane	16.5	5.32	ug/L	53.19	ND	31.1	40-120		
Isophorone	24.2	5.32	ug/L	53.19	ND	45.5	21-196		
Nitrobenzene	22.5	5.32	ug/L	53.19	ND	42.3	35-180		
N-Nitrosodimethylamine	12.4	5.32	ug/L	53.19	ND	23.3	17-127		
N-Nitroso-Di-N-Propylamine	23.5	5.32	ug/L	53.19	ND	44.3	43-230		
N-Nitrosodiphenylamine	31.0	5.32	ug/L	53.19	ND	58.3	79-139		
Pentachlorophenol	27.0	10.6	ug/L	53.19	ND	50.7	14-176		
Phenol	11.4	5.32	ug/L	53.19	ND	21.4	5-120		
Pyrene	29.6	5.32	ug/L	53.19	ND	55.6	52-120		
Surrogate: 2-Fluoroaniline	*20.2*		ug/L	*53.19*		*38.0*	*60-140*		
Surrogate: Phenol-D6	*11.4*		ug/L	*53.19*		*21.4*	*60-140*		
Surrogate: Naphthalene-D8	*21.3*		ug/L	*53.19*		*40.0*	*60-140*		
Surrogate: 1-Fluoronaphthalene	*20.6*		ug/L	*53.19*		*38.8*	*60-140*		
Surrogate: 2,4-Dibromophenol	*24.9*		ug/L	*53.19*		*46.8*	*60-140*		
Surrogate: Anthracene-D10	*38.0*		ug/L	*53.19*		*71.5*	*60-140*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
Matrix Spike (B205022-MS1)		**Source: 2204062-10**							
Surrogate: Chrysene-D12	*28.1*		ug/L	*53.19*		*52.9*	*60-140*		
Matrix Spike Dup (B205022-MSD1)		**Source: 2204062-10**							
Acenaphthene	27.7	5.10	ug/L	51.02	ND	54.2	47-145	13.3	24
Acenaphthylene	28.5	5.10	ug/L	51.02	ND	55.8	33-145	13.6	24
Anthracene	33.6	5.10	ug/L	51.02	ND	65.8	27-133	12.3	24
Benzo(A)Anthracene	33.3	5.10	ug/L	51.02	ND	65.3	33-143	3.60	24
Benzo(A)Pyrene	35.8	5.10	ug/L	51.02	ND	70.2	17-163	9.80	24
Benzo(B)Fluoranthene	35.3	5.10	ug/L	51.02	ND	69.2	24-159	9.23	24
Benzo(G,H,I)Perylene	39.1	5.10	ug/L	51.02	ND	76.5	35-219	15.1	24
Benzo(K)Fluoranthene	33.2	5.10	ug/L	51.02	ND	65.1	11-162	5.47	24
Chrysene	33.6	5.10	ug/L	51.02	ND	65.9	17-168	4.11	24
Dibenzo(A,H)Anthracene	39.8	5.10	ug/L	51.02	ND	78.0	33-227	15.1	24
Fluoranthene	32.5	5.10	ug/L	51.02	ND	63.7	26-137	7.08	24
Fluorene	34.9	5.10	ug/L	51.02	ND	68.3	59-121	18.4	24
Indeno(1,2,3-Cd)Pyrene	48.1	5.10	ug/L	51.02	ND	94.3	39-171	14.8	24
Naphthalene	23.2	5.10	ug/L	51.02	ND	45.5	21-133	14.6	24
Phenanthrene	35.2	5.10	ug/L	51.02	ND	68.9	54-120	13.3	24
1,2,4-Trichlorobenzene	20.6	5.10	ug/L	51.02	ND	40.5	44-142	13.9	24
2,4,6-Trichlorophenol	27.7	5.10	ug/L	51.02	ND	54.3	37-144	14.0	24
2,4-Dichlorophenol	26.9	5.10	ug/L	51.02	ND	52.8	39-135	14.3	24
2,4-Dimethylphenol	23.7	5.10	ug/L	51.02	ND	46.4	32-120	3.31	24
2,4-Dinitrotoluene	38.1	5.10	ug/L	51.02	ND	74.6	39-139	14.5	24
2,6-Dinitrotoluene	33.1	5.10	ug/L	51.02	ND	64.8	50-158	10.6	24
2,4-Dinitrophenol	30.7	30.6	ug/L	51.02	ND	60.1	21-191	2.59	24
2-Chloronaphthalene	25.4	5.10	ug/L	51.02	ND	49.8	60-120	13.3	24
2-Chlorophenol	21.5	5.10	ug/L	51.02	ND	42.2	23-134	13.5	24
2-Nitrophenol	27.2	5.10	ug/L	51.02	ND	53.4	29-182	17.6	24
3,3'- Dichlorobenzidine	22.4	5.10	ug/L	51.02	ND	44.0	38-262	4.67	24
4,6-Dinitro-2-Methylphenol	30.2	30.6	ug/L	51.02	ND	59.3	17-181	11.0	24
4-Bromophenyl-Phenylether	35.4	5.10	ug/L	51.02	ND	69.4	53-127	16.7	24
4-Chloro-3-Methylphenol	29.2	5.10	ug/L	51.02	ND	57.2	22-147	5.79	24
4-Chlorophenyl-Phenylether	34.1	5.10	ug/L	51.02	ND	66.8	25-158	17.9	24
4-Nitrophenol	10.7	5.10	ug/L	51.02	ND	21.1	9-132	3.79	24
Bis(-2-Chloroethoxy)Methane	26.9	5.10	ug/L	51.02	ND	52.8	33-184	12.1	24

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205022									
Matrix Spike Dup (B205022-MSD1)	**Source: 2204062-10**								
Bis(2-Chloroethyl)Ether	23.1	5.10	ug/L	51.02	ND	45.2	12-158	7.60	24
Bis(2-Chloroisopropyl)Ether	23.4	5.10	ug/L	51.02	ND	45.8	36-166	8.13	24
Bis(2-Ethylhexyl)Phthalate	62.2	5.10	ug/L	51.02	ND	122	8-158	10.2	24
Butylbenzylphthalate	34.0	5.10	ug/L	51.02	ND	66.7	38-152	0.247	24
Azobenzene	36.1	5.10	ug/L	51.02	ND	70.8	61-106	16.4	24
Diethylphthalate	36.8	5.10	ug/L	51.02	ND	72.2	31-114	14.6	24
Dimethyl Phthalate	29.8	5.10	ug/L	51.02	ND	58.4	28-120	7.64	24
Di-N-Butyl Phthalate	37.1	5.10	ug/L	51.02	ND	72.8	1-120	9.31	24
Di-N-Octyl Phthalate	45.2	5.10	ug/L	51.02	ND	88.6	4-146	1.86	24
Hexachlorobenzene	32.8	5.10	ug/L	51.02	ND	64.2	35-152	13.3	24
Hexachlorobutadiene	18.8	5.10	ug/L	51.02	ND	36.8	24-120	10.4	24
Hexachlorocyclopentadiene	13.9	5.10	ug/L	51.02	ND	27.2	15-76	18.9	24
Hexachloroethane	17.2	5.10	ug/L	51.02	ND	33.8	40-120	4.16	24
Isophorone	27.5	5.10	ug/L	51.02	ND	53.8	21-196	12.6	24
Nitrobenzene	25.7	5.10	ug/L	51.02	ND	50.3	35-180	13.1	24
N-Nitrosodimethylamine	12.1	5.10	ug/L	51.02	ND	23.8	17-127	2.13	24
N-Nitroso-Di-N-Propylamine	26.4	5.10	ug/L	51.02	ND	51.7	43-230	11.3	24
N-Nitrosodiphenylamine	35.4	5.10	ug/L	51.02	ND	69.4	79-139	13.2	24
Pentachlorophenol	29.6	10.2	ug/L	51.02	ND	58.0	14-176	9.25	24
Phenol	12.8	5.10	ug/L	51.02	ND	25.0	5-120	11.4	24
Pyrene	31.8	5.10	ug/L	51.02	ND	62.3	52-120	7.14	24
Surrogate: 2-Fluoroaniline	*20.0*		ug/L	*51.02*		*39.1*	*60-140*		
Surrogate: Phenol-D6	*12.9*		ug/L	*51.02*		*25.3*	*60-140*		
Surrogate: Naphthalene-D8	*24.0*		ug/L	*51.02*		*47.0*	*60-140*		
Surrogate: 1-Fluoronaphthalene	*23.0*		ug/L	*51.02*		*45.0*	*60-140*		
Surrogate: 2,4-Dibromophenol	*27.4*		ug/L	*51.02*		*53.7*	*60-140*		
Surrogate: Anthracene-D10	*43.7*		ug/L	*51.02*		*85.7*	*60-140*		
Surrogate: Chrysene-D12	*27.9*		ug/L	*51.02*		*54.8*	*60-140*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Pest/PCBs GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205005									
Blank (B205005-BLK1)									
alpha-BHC	--- U	0.002	ug/L						
gamma-BHC (Lindane)	--- U	0.002	ug/L						
beta-BHC	--- U	0.002	ug/L						
delta-BHC	--- U	0.002	ug/L						
Heptachlor	--- U	0.002	ug/L						
Aldrin	--- U	0.002	ug/L						
Heptachlor epoxide	--- U	0.002	ug/L						
gamma-Chlordane	--- U	0.002	ug/L						
alpha-Chlordane	--- U	0.002	ug/L						
Endosulfan I	--- U	0.002	ug/L						
4,4'-DDE	--- U	0.005	ug/L						
Dieldrin	--- U	0.005	ug/L						
Endrin	--- U	0.005	ug/L						
4,4'-DDD	--- U	0.005	ug/L						
Endosulfan II	--- U	0.005	ug/L						
4,4'-DDT	--- U	0.005	ug/L						
Endrin aldehyde	--- U	0.005	ug/L						
Methoxychlor	--- U	0.025	ug/L						
Endosulfan sulfate	--- U	0.005	ug/L						
Endrin ketone	--- U	0.005	ug/L						
Toxaphene	--- U	0.188	ug/L						
Chlordane	--- U	0.062	ug/L						
tech-Chlordane	--- U	0.062	ug/L						
Aroclor 1016	--- U	0.031	ug/L						
Aroclor 1221	--- U	0.062	ug/L						
Aroclor 1232	--- U	0.031	ug/L						
Aroclor 1242	--- U	0.031	ug/L						
Aroclor 1248	--- U	0.031	ug/L						
Aroclor 1254	--- U	0.031	ug/L						
Aroclor 1260	--- U	0.031	ug/L						
Aroclor 1262	--- U	0.031	ug/L						
Aroclor 1268	--- U	0.031	ug/L						
Surrogate: TCMX	*0.0290*		ug/L	*0.06000*		*48.3*	*23-101*		
Surrogate: TCMX [2C]	*0.0313*		ug/L	*0.06000*		*52.1*	*23-101*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Pest/PCBs GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205005									
Blank (B205005-BLK1)									
Surrogate: DCB	*0.0261*		ug/L	*0.06000*		*43.6*	*25-107*		
Surrogate: DCB [2C]	*0.0199*		ug/L	*0.06000*		*33.2*	*25-107*		
LCS (B205005-BS1)									
alpha-BHC	0.02	0.002	ug/L	0.02000		80.2	37-140		
alpha-BHC [2C]	0.01	0.002	ug/L	0.02000		67.1	37-140		
gamma-BHC (Lindane)	0.01	0.002	ug/L	0.02000		69.1	32-140		
gamma-BHC (Lindane) [2C]	0.01	0.002	ug/L	0.02000		69.4	32-140		
beta-BHC	0.01	0.002	ug/L	0.02000		63.8	17-147		
beta-BHC [2C]	0.01	0.002	ug/L	0.02000		65.8	17-147		
delta-BHC	0.02	0.002	ug/L	0.02000		81.2	19-140		
delta-BHC [2C]	0.01	0.002	ug/L	0.02000		70.9	19-140		
Heptachlor	0.01	0.002	ug/L	0.02000		54.9	34-140		
Heptachlor [2C]	0.01	0.002	ug/L	0.02000		52.7	34-140		
Aldrin	0.01	0.002	ug/L	0.02000		62.8	42-140		
Aldrin [2C]	0.01	0.002	ug/L	0.02000		66.1	42-140		
Heptachlor epoxide	0.02	0.002	ug/L	0.02000		76.4	37-142		
Heptachlor epoxide [2C]	0.01	0.002	ug/L	0.02000		74.6	37-142		
gamma-Chlordane	0.02	0.002	ug/L	0.02000		76.8	45-140		
gamma-Chlordane [2C]	0.01	0.002	ug/L	0.02000		64.8	45-140		
alpha-Chlordane	0.02	0.002	ug/L	0.02000		76.0	45-140		
alpha-Chlordane [2C]	0.01	0.002	ug/L	0.02000		68.7	45-140		
Endosulfan I	0.02	0.002	ug/L	0.02000		79.0	45-153		
Endosulfan I [2C]	0.01	0.002	ug/L	0.02000		74.6	45-153		
4,4'-DDE	0.03	0.005	ug/L	0.04000		70.0	30-145		
4,4'-DDE [2C]	0.03	0.005	ug/L	0.04000		71.9	30-145		
Dieldrin	0.03	0.005	ug/L	0.04000		80.7	36-146		
Dieldrin [2C]	0.03	0.005	ug/L	0.04000		74.7	36-146		
Endrin	0.04	0.005	ug/L	0.04000		88.1	30-147		
Endrin [2C]	0.03	0.005	ug/L	0.04000		79.2	30-147		
4,4'-DDD	0.03	0.005	ug/L	0.04000		84.5	31-141		
4,4'-DDD [2C]	0.03	0.005	ug/L	0.04000		72.8	31-141		
Endosulfan II	0.03	0.005	ug/L	0.04000		77.2	50-202		
Endosulfan II [2C]	0.03	0.005	ug/L	0.04000		69.7	50-202		
4,4'-DDT	0.03	0.005	ug/L	0.04000		83.1	25-160		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Pest/PCBs GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205005									
LCS (B205005-BS1)									
4,4'-DDT [2C]	0.03	0.005	ug/L	0.04000		72.5	25-160		
Endrin aldehyde	0.04	0.005	ug/L	0.04000		88.0	10-154		
Endrin aldehyde [2C]	0.03	0.005	ug/L	0.04000		76.3	10-154		
Methoxychlor	0.17	0.025	ug/L	0.2000		86.1	29-167		
Methoxychlor [2C]	0.16	0.025	ug/L	0.2000		81.0	29-167		
Endosulfan sulfate	0.03	0.005	ug/L	0.04000		85.4	26-144		
Endosulfan sulfate [2C]	0.03	0.005	ug/L	0.04000		77.1	26-144		
Endrin ketone	0.03	0.005	ug/L	0.04000		74.1	23-168		
Endrin ketone [2C]	0.03	0.005	ug/L	0.04000		71.8	23-168		
Surrogate: TCMX	*0.0294*		ug/L	*0.06000*		*49.0*	*23-101*		
Surrogate: TCMX [2C]	*0.0312*		ug/L	*0.06000*		*52.1*	*23-101*		
Surrogate: DCB	*0.0275*		ug/L	*0.06000*		*45.8*	*25-107*		
Surrogate: DCB [2C]	*0.0234*		ug/L	*0.06000*		*39.0*	*25-107*		
LCS (B205005-BS2)									
Aroclor 1016	0.17	0.031	ug/L	0.2500		67.0	50-140		
Aroclor 1016 [2C]	0.20	0.031	ug/L	0.2500		82.0	50-140		
Aroclor 1260	0.17	0.031	ug/L	0.2500		67.3	8-140		
Aroclor 1260 [2C]	0.15	0.031	ug/L	0.2500		60.3	8-140		
Surrogate: TCMX	*0.0297*		ug/L	*0.06000*		*49.5*	*23-101*		
Surrogate: TCMX [2C]	*0.0335*		ug/L	*0.06000*		*55.8*	*23-101*		
Surrogate: DCB	*0.0267*		ug/L	*0.06000*		*44.5*	*25-107*		
Surrogate: DCB [2C]	*0.0201*		ug/L	*0.06000*		*33.5*	*25-107*		
LCS Dup (B205005-BSD1)									
alpha-BHC	0.02	0.002	ug/L	0.02000		86.0	37-140	6.97	36
alpha-BHC [2C]	0.01	0.002	ug/L	0.02000		69.9	37-140	3.98	36
gamma-BHC (Lindane)	0.01	0.002	ug/L	0.02000		73.0	32-140	5.51	39
gamma-BHC (Lindane) [2C]	0.01	0.002	ug/L	0.02000		71.4	32-140	2.79	39
beta-BHC	0.01	0.002	ug/L	0.02000		68.4	17-147	6.97	44
beta-BHC [2C]	0.01	0.002	ug/L	0.02000		69.2	17-147	4.95	44
delta-BHC	0.02	0.002	ug/L	0.02000		86.6	19-140	6.51	52
delta-BHC [2C]	0.01	0.002	ug/L	0.02000		74.7	19-140	5.25	52
Heptachlor	--- U	0.002	ug/L	0.02000			34-140		43
Heptachlor [2C]	0.01	0.002	ug/L	0.02000		55.5	34-140	5.30	43

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Pest/PCBs GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205005									
LCS Dup (B205005-BSD1)									
Aldrin	0.01	0.002	ug/L	0.02000		67.0	42-140	6.42	35
Aldrin [2C]	0.01	0.002	ug/L	0.02000		68.3	42-140	3.31	35
Heptachlor epoxide	0.02	0.002	ug/L	0.02000		81.7	37-142	6.70	26
Heptachlor epoxide [2C]	0.02	0.002	ug/L	0.02000		77.2	37-142	3.48	26
gamma-Chlordane	0.02	0.002	ug/L	0.02000		81.7	45-140	6.08	35
gamma-Chlordane [2C]	0.01	0.002	ug/L	0.02000		68.4	45-140	5.50	35
alpha-Chlordane	0.02	0.002	ug/L	0.02000		81.8	45-140	7.36	35
alpha-Chlordane [2C]	0.01	0.002	ug/L	0.02000		72.7	45-140	5.65	35
Endosulfan I	0.02	0.002	ug/L	0.02000		85.2	45-153	7.48	28
Endosulfan I [2C]	0.02	0.002	ug/L	0.02000		78.9	45-153	5.63	28
4,4'-DDE	0.03	0.005	ug/L	0.04000		75.9	30-145	8.04	35
4,4'-DDE [2C]	0.03	0.005	ug/L	0.04000		76.9	30-145	6.72	35
Dieldrin	0.03	0.005	ug/L	0.04000		85.9	36-146	6.31	49
Dieldrin [2C]	0.03	0.005	ug/L	0.04000		79.6	36-146	6.28	49
Endrin	0.04	0.005	ug/L	0.04000		94.9	30-147	7.39	48
Endrin [2C]	0.03	0.005	ug/L	0.04000		84.2	30-147	6.12	48
4,4'-DDD	0.04	0.005	ug/L	0.04000		91.1	31-141	7.55	39
4,4'-DDD [2C]	0.03	0.005	ug/L	0.04000		78.2	31-141	7.13	39
Endosulfan II	0.03	0.005	ug/L	0.04000		83.2	50-202	7.41	53
Endosulfan II [2C]	0.03	0.005	ug/L	0.04000		74.6	50-202	6.70	53
4,4'-DDT	0.04	0.005	ug/L	0.04000		89.3	25-160	7.15	42
4,4'-DDT [2C]	0.03	0.005	ug/L	0.04000		78.0	25-160	7.32	42
Endrin aldehyde	0.04	0.005	ug/L	0.04000		95.7	10-154	8.44	30
Endrin aldehyde [2C]	0.03	0.005	ug/L	0.04000		83.3	10-154	8.75	30
Methoxychlor	0.18	0.025	ug/L	0.2000		91.3	29-167	5.85	30
Methoxychlor [2C]	0.18	0.025	ug/L	0.2000		88.1	29-167	8.37	30
Endosulfan sulfate	0.04	0.005	ug/L	0.04000		93.3	26-144	8.87	38
Endosulfan sulfate [2C]	0.03	0.005	ug/L	0.04000		86.9	26-144	11.9	38
Endrin ketone	0.03	0.005	ug/L	0.04000		82.3	23-168	10.5	30
Endrin ketone [2C]	0.03	0.005	ug/L	0.04000		75.3	23-168	4.74	30
Surrogate: TCMX	*0.0315*		ug/L	*0.06000*		*52.4*	*23-101*		
Surrogate: TCMX [2C]	*0.0321*		ug/L	*0.06000*		*53.4*	*23-101*		
Surrogate: DCB	*0.0358*		ug/L	*0.06000*		*59.6*	*25-107*		
Surrogate: DCB [2C]	*0.0260*		ug/L	*0.06000*		*43.3*	*25-107*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Pest/PCBs GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205005									
LCS Dup (B205005-BSD2)									
Aroclor 1016	0.17	0.031	ug/L	0.2500		67.2	50-140	0.373	36
Aroclor 1016 [2C]	0.20	0.031	ug/L	0.2500		79.2	50-140	3.52	36
Aroclor 1260	0.17	0.031	ug/L	0.2500		67.5	8-140	0.381	38
Aroclor 1260 [2C]	0.14	0.031	ug/L	0.2500		57.4	8-140	4.95	38
Surrogate: TCMX	*0.0291*		ug/L	*0.06000*		*48.4*	*23-101*		
Surrogate: TCMX [2C]	*0.0313*		ug/L	*0.06000*		*52.2*	*23-101*		
Surrogate: DCB	*0.0290*		ug/L	*0.06000*		*48.3*	*25-107*		
Surrogate: DCB [2C]	*0.0198*		ug/L	*0.06000*		*33.0*	*25-107*		
Matrix Spike (B205005-MS1)	**Source: 2204062-10**								
alpha-BHC	0.01	0.003	ug/L	0.02105	ND	56.5	37-140		
alpha-BHC [2C]	0.01	0.003	ug/L	0.02105	ND	57.5	37-140		
gamma-BHC (Lindane)	0.01	0.003	ug/L	0.02105	ND	67.7	32-140		
gamma-BHC (Lindane) [2C]	--- U	0.003	ug/L	0.02105	ND		32-140		
beta-BHC	0.01	0.003	ug/L	0.02105	ND	70.9	17-147		
beta-BHC [2C]	--- U	0.003	ug/L	0.02105	ND		17-147		
delta-BHC	--- U	0.003	ug/L	0.02105	ND		19-140		
delta-BHC [2C]	--- U	0.003	ug/L	0.02105	ND		19-140		
Heptachlor	--- U	0.003	ug/L	0.02105	ND		34-140		
Heptachlor [2C]	0.006	0.003	ug/L	0.02105	ND	30.4	34-140		
Aldrin	0.006	0.003	ug/L	0.02105	ND	30.1	42-140		
Aldrin [2C]	0.007	0.003	ug/L	0.02105	ND	31.6	42-140		
Heptachlor epoxide	0.01	0.003	ug/L	0.02105	ND	49.5	37-142		
Heptachlor epoxide [2C]	0.009	0.003	ug/L	0.02105	ND	43.1	37-142		
gamma-Chlordane	0.01	0.003	ug/L	0.02105	ND	54.3	45-140		
gamma-Chlordane [2C]	0.008	0.003	ug/L	0.02105	ND	37.7	45-140		
alpha-Chlordane	0.008	0.003	ug/L	0.02105	ND	35.8	45-140		
alpha-Chlordane [2C]	0.007	0.003	ug/L	0.02105	ND	34.4	45-140		
Endosulfan I	0.007	0.003	ug/L	0.02105	ND	32.5	45-153		
Endosulfan I [2C]	0.009	0.003	ug/L	0.02105	ND	41.7	45-153		
4,4'-DDE	0.01	0.005	ug/L	0.04211	ND	31.5	30-145		
4,4'-DDE [2C]	0.02	0.005	ug/L	0.04211	ND	35.9	30-145		
Dieldrin	0.01	0.005	ug/L	0.04211	ND	28.5	36-146		
Dieldrin [2C]	0.01	0.005	ug/L	0.04211	ND	33.5	36-146		
Endrin	0.02	0.005	ug/L	0.04211	ND	38.5	30-147		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Pest/PCBs GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205005									
Matrix Spike (B205005-MS1)	**Source: 2204062-10**								
Endrin [2C]	0.02	0.005	ug/L	0.04211	ND	44.8	30-147		
4,4'-DDD	0.01	0.005	ug/L	0.04211	ND	34.6	31-141		
4,4'-DDD [2C]	0.01	0.005	ug/L	0.04211	ND	33.2	31-141		
Endosulfan II	0.02	0.005	ug/L	0.04211	ND	40.1	50-202		
Endosulfan II [2C]	0.01	0.005	ug/L	0.04211	ND	32.5	50-202		
4,4'-DDT	0.02	0.005	ug/L	0.04211	ND	38.2	25-160		
4,4'-DDT [2C]	0.01	0.005	ug/L	0.04211	ND	33.0	25-160		
Endrin aldehyde	0.01	0.005	ug/L	0.04211	ND	29.4	10-154		
Endrin aldehyde [2C]	0.01	0.005	ug/L	0.04211	ND	32.4	10-154		
Methoxychlor	0.10	0.026	ug/L	0.2105	ND	46.7	29-167		
Methoxychlor [2C]	0.08	0.026	ug/L	0.2105	ND	39.7	29-167		
Endosulfan sulfate	0.02	0.005	ug/L	0.04211	ND	38.2	26-144		
Endosulfan sulfate [2C]	0.02	0.005	ug/L	0.04211	ND	37.3	26-144		
Endrin ketone	0.01	0.005	ug/L	0.04211	ND	32.0	23-168		
Endrin ketone [2C]	0.02	0.005	ug/L	0.04211	ND	39.8	23-168		
Surrogate: TCMX	*0.0158*		ug/L	*0.06316*		*25.0*	*23-101*		
Surrogate: TCMX [2C]	*0.0178*		ug/L	*0.06316*		*28.2*	*23-101*		
Surrogate: DCB	*0.0269*		ug/L	*0.06316*		*42.6*	*25-107*		
Surrogate: DCB [2C]	*0.0227*		ug/L	*0.06316*		*36.0*	*25-107*		
Matrix Spike (B205005-MS2)	**Source: 2204062-10**								
Aroclor 1016	--- U	0.032	ug/L	0.2577	ND		50-140		
Aroclor 1016 [2C]	--- U	0.032	ug/L	0.2577	ND		50-140		
Aroclor 1260	--- U	0.032	ug/L	0.2577	ND		8-140		
Aroclor 1260 [2C]	--- U	0.032	ug/L	0.2577	ND		8-140		
Surrogate: TCMX	*0.0169*		ug/L	*0.06186*		*27.3*	*23-101*		
Surrogate: TCMX [2C]	*0.0242*		ug/L	*0.06186*		*39.2*	*23-101*		
Surrogate: DCB	*0.0228*		ug/L	*0.06186*		*36.8*	*25-107*		
Surrogate: DCB [2C]	*0.0179*		ug/L	*0.06186*		*28.9*	*25-107*		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Pest/PCBs GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205005									
Matrix Spike Dup (B205005-MSD1)	**Source: 2204062-10**								
alpha-BHC	0.008	0.003	ug/L	0.02198	ND	34.2	37-140	49.1	36
alpha-BHC [2C]	0.007	0.003	ug/L	0.02198	ND	30.7	37-140	60.9	36
gamma-BHC (Lindane)	0.008	0.003	ug/L	0.02198	ND	34.1	32-140	65.9	39
gamma-BHC (Lindane) [2C]	--- U	0.003	ug/L	0.02198	ND		32-140		39
beta-BHC	0.01	0.003	ug/L	0.02198	ND	54.6	17-147	26.0	44
beta-BHC [2C]	--- U	0.003	ug/L	0.02198	ND		17-147		44
delta-BHC	--- U	0.003	ug/L	0.02198	ND		19-140		52
delta-BHC [2C]	--- U	0.003	ug/L	0.02198	ND		19-140		52
Heptachlor	--- U	0.003	ug/L	0.02198	ND		34-140		43
Heptachlor [2C]	0.005	0.003	ug/L	0.02198	ND	24.1	34-140	23.2	43
Aldrin	0.007	0.003	ug/L	0.02198	ND	30.4	42-140	0.875	35
Aldrin [2C]	0.008	0.003	ug/L	0.02198	ND	37.1	42-140	15.9	35
Heptachlor epoxide	0.009	0.003	ug/L	0.02198	ND	43.0	37-142	14.1	26
Heptachlor epoxide [2C]	0.008	0.003	ug/L	0.02198	ND	34.7	37-142	21.6	26
gamma-Chlordane	0.01	0.003	ug/L	0.02198	ND	60.7	45-140	11.3	35
gamma-Chlordane [2C]	0.006	0.003	ug/L	0.02198	ND	26.5	45-140	35.0	35
alpha-Chlordane	0.007	0.003	ug/L	0.02198	ND	30.1	45-140	17.4	35
alpha-Chlordane [2C]	0.006	0.003	ug/L	0.02198	ND	26.5	45-140	25.8	35
Endosulfan I	0.02	0.003	ug/L	0.02198	ND	70.5	45-153	73.8	28
Endosulfan I [2C]	0.02	0.003	ug/L	0.02198	ND	71.7	45-153	53.0	28
4,4'-DDE	0.02	0.005	ug/L	0.04396	ND	34.1	30-145	8.10	35
4,4'-DDE [2C]	0.01	0.005	ug/L	0.04396	ND	33.7	30-145	6.27	35
Dieldrin	0.01	0.005	ug/L	0.04396	ND	28.2	36-146	1.26	49
Dieldrin [2C]	0.01	0.005	ug/L	0.04396	ND	34.0	36-146	1.48	49
Endrin	0.02	0.005	ug/L	0.04396	ND	39.1	30-147	1.40	48
Endrin [2C]	0.02	0.005	ug/L	0.04396	ND	41.3	30-147	8.23	48
4,4'-DDD	0.01	0.005	ug/L	0.04396	ND	31.0	31-141	11.0	39
4,4'-DDD [2C]	0.01	0.005	ug/L	0.04396	ND	32.6	31-141	1.70	39
Endosulfan II	0.02	0.005	ug/L	0.04396	ND	44.5	50-202	10.4	53
Endosulfan II [2C]	0.01	0.005	ug/L	0.04396	ND	31.1	50-202	4.30	53
4,4'-DDT	0.01	0.005	ug/L	0.04396	ND	30.5	25-160	22.2	42
4,4'-DDT [2C]	0.01	0.005	ug/L	0.04396	ND	28.9	25-160	13.4	42
Endrin aldehyde	0.01	0.005	ug/L	0.04396	ND	26.8	10-154	9.17	30
Endrin aldehyde [2C]	0.01	0.005	ug/L	0.04396	ND	28.0	10-154	14.7	30
Methoxychlor	0.09	0.027	ug/L	0.2198	ND	42.2	29-167	10.3	30

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Pest/PCBs GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205005									
Matrix Spike Dup (B205005-MSD1)	**Source: 2204062-10**								
Methoxychlor [2C]	0.08	0.027	ug/L	0.2198	ND	34.4	29-167	14.4	30
Endosulfan sulfate	0.02	0.005	ug/L	0.04396	ND	35.7	26-144	6.77	38
Endosulfan sulfate [2C]	0.02	0.005	ug/L	0.04396	ND	34.4	26-144	7.89	38
Endrin ketone	--- U	0.005	ug/L	0.04396	ND		23-168		30
Endrin ketone [2C]	--- U	0.005	ug/L	0.04396	ND		23-168		30
Surrogate: TCMX	*0.0183*		ug/L	*0.06593*		*27.7*	*23-101*		
Surrogate: TCMX [2C]	*0.0223*		ug/L	*0.06593*		*33.8*	*23-101*		
Surrogate: DCB	*0.0273*		ug/L	*0.06593*		*41.4*	*25-107*		
Surrogate: DCB [2C]	*0.0291*		ug/L	*0.06593*		*44.2*	*25-107*		
Matrix Spike Dup (B205005-MSD2)	**Source: 2204062-10**								
Aroclor 1016	--- U	0.033	ug/L	0.2660	ND		50-140		36
Aroclor 1016 [2C]	--- U	0.033	ug/L	0.2660	ND		50-140		36
Aroclor 1260	--- U	0.033	ug/L	0.2660	ND		8-140		38
Aroclor 1260 [2C]	--- U	0.033	ug/L	0.2660	ND		8-140		38
Surrogate: TCMX	*0.0146*		ug/L	*0.06383*		*22.8*	*23-101*		
Surrogate: TCMX [2C]	*0.0249*		ug/L	*0.06383*		*39.0*	*23-101*		
Surrogate: DCB	*0.0229*		ug/L	*0.06383*		*36.0*	*25-107*		
Surrogate: DCB [2C]	*0.0178*		ug/L	*0.06383*		*27.9*	*25-107*		
Batch S205039									
Performance Mix (S205039-PEM1)									
4,4'-DDE	1.16		ug/L				0-200		
4,4'-DDE [2C]	1.11		ug/L				0-200		
Endrin	83.4		ug/L	80.00		104	0-200		
Endrin [2C]	72.6		ug/L	80.00		90.8	0-200		
4,4'-DDD	1.04		ug/L				0-200		
4,4'-DDD [2C]	0.91		ug/L				0-200		
4,4'-DDT	82.2		ug/L	80.00		103	0-200		
4,4'-DDT [2C]	65.5		ug/L	80.00		81.9	0-200		
Endrin aldehyde	0.37		ug/L				0-200		
Endrin aldehyde [2C]	0.42		ug/L				0-200		
Endrin ketone	1.62		ug/L				0-200		
Endrin ketone [2C]	1.38		ug/L				0-200		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

GC - Sanitary - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205067									
Blank (B205067-BLK1)									
Oil & Grease	--- U	5.00	mg/L						
Petroleum Hydrocarbons, Tot.	--- U	5.00	mg/L						
LCS (B205067-BS1)									
Oil & Grease	25.0	5.00	mg/L	40.00		62	78-114		
Petroleum Hydrocarbons, Tot.	25.0	5.00	mg/L	40.00		62	64-132		
LCS Dup (B205067-BSD1)									
Oil & Grease	33.9	5.00	mg/L	40.00		85	78-114	30	20
Petroleum Hydrocarbons, Tot.	33.9	5.00	mg/L	40.00		85	64-132	30	20
Matrix Spike (B205067-MS1)	**Source: 2204062-16**								
Oil & Grease	40.0	5.00	mg/L	50.63	ND	79	78-114		
Petroleum Hydrocarbons, Tot.	40.0	5.00	mg/L	50.63	0.200	79	64-132		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Metals ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205028									
Blank (B205028-BLK1)									
Arsenic	--- U	8.00	ug/L						
Cadmium	--- U	3.00	ug/L						
Chromium	--- U	5.00	ug/L						
Copper	--- U	10.0	ug/L						
Lead	--- U	8.00	ug/L						
Nickel	--- U	20.0	ug/L						
Selenium	--- U	20.0	ug/L						
Silver	--- U	5.00	ug/L						
Zinc	--- U	20.0	ug/L						
LCS (B205028-BS1)									
Arsenic	185	8.00	ug/L	200.0		92.7	85-115		
Cadmium	195	3.00	ug/L	200.0		97.3	85-115		
Chromium	195	5.00	ug/L	200.0		97.7	85-115		
Copper	194	10.0	ug/L	200.0		96.9	85-115		
Lead	193	8.00	ug/L	200.0		96.5	85-115		
Nickel	195	20.0	ug/L	200.0		97.6	85-115		
Selenium	184	20.0	ug/L	200.0		92.1	85-115		
Silver	193	5.00	ug/L	200.0		96.4	85-115		
Zinc	191	20.0	ug/L	200.0		95.4	85-115		
LCS Dup (B205028-BSD1)									
Arsenic	187	8.00	ug/L	200.0		93.4	85-115	0.736	20
Cadmium	198	3.00	ug/L	200.0		99.2	85-115	1.90	20
Chromium	202	5.00	ug/L	200.0		101	85-115	3.11	20
Copper	198	10.0	ug/L	200.0		98.8	85-115	1.93	20
Lead	198	8.00	ug/L	200.0		99.0	85-115	2.59	20
Nickel	198	20.0	ug/L	200.0		99.2	85-115	1.64	20
Selenium	189	20.0	ug/L	200.0		94.4	85-115	2.55	20
Silver	194	5.00	ug/L	200.0		97.1	85-115	0.719	20
Zinc	195	20.0	ug/L	200.0		97.5	85-115	2.08	20

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Metals ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205028									
Matrix Spike (B205028-MS1)	**Source: 2204062-01**								
Arsenic	199	8.00	ug/L	200.0	ND	99.3	80-120		
Cadmium	195	3.00	ug/L	200.0	ND	97.4	80-120		
Chromium	205	5.00	ug/L	200.0	2.19	101	80-120		
Copper	253	10.0	ug/L	200.0	33.1	110	80-120		
Lead	194	8.00	ug/L	200.0	ND	97.1	80-120		
Nickel	249	20.0	ug/L	200.0	53.1	97.7	80-120		
Selenium	195	20.0	ug/L	200.0	ND	97.6	80-120		
Silver	206	5.00	ug/L	200.0	ND	103	80-120		
Zinc	261	20.0	ug/L	200.0	67.5	96.9	80-120		
Matrix Spike (B205028-MS2)	**Source: 2204063-01**								
Chromium	213	5.00	ug/L	200.0	ND	106	80-120		
Copper	226	10.0	ug/L	200.0	ND	113	80-120		
Lead	203	8.00	ug/L	200.0	ND	102	80-120		
Nickel	225	20.0	ug/L	200.0	20.4	102	80-120		
Zinc	222	20.0	ug/L	200.0	19.2	101	80-120		
Matrix Spike Dup (B205028-MSD1)	**Source: 2204062-01**								
Arsenic	190	40.0	ug/L	200.0	ND	95.0	80-120	4.46	10
Cadmium	191	15.0	ug/L	200.0	ND	95.7	80-120	1.79	10
Chromium	197	25.0	ug/L	200.0	ND	98.3	80-120	4.16	10
Copper	230	50.0	ug/L	200.0	33.1	98.3	80-120	9.89	10
Lead	185	40.0	ug/L	200.0	ND	92.3	80-120	5.03	10
Nickel	239	100	ug/L	200.0	53.1	93.1	80-120	3.80	10
Selenium	197	100	ug/L	200.0	ND	98.4	80-120	0.847	10
Silver	195	25.0	ug/L	200.0	ND	97.4	80-120	5.40	10
Zinc	256	100	ug/L	200.0	67.5	94.3	80-120	2.03	10

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Metals ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205028									
Matrix Spike Dup (B205028-MSD2)	**Source: 2204063-01**								
Chromium	191	25.0	ug/L	200.0	ND	95.7	80-120	10.7	10
Copper	198	50.0	ug/L	200.0	ND	99.0	80-120	13.5	10
Lead	187	40.0	ug/L	200.0	ND	93.5	80-120	8.31	10
Nickel	208	100	ug/L	200.0	20.4	93.8	80-120	7.95	10
Zinc	208	100	ug/L	200.0	19.2	94.6	80-120	6.23	10

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Mercury CVAA - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205035									
Blank (B205035-BLK1)									
Mercury	--- U	0.050	ug/L						
LCS (B205035-BS1)									
Mercury	0.979	0.050	ug/L	1.000		97.9	85-115		
LCS Dup (B205035-BSD1)									
Mercury	0.976	0.050	ug/L	1.000		97.6	85-115	0.307	20
Matrix Spike (B205035-MS3)	**Source: 2204062-01**								
Mercury	0.974	0.050	ug/L	1.000	ND	97.4	80-120		

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Sanitary - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B204133									
Blank (B204133-BLK1)									
Biochemical Oxygen Demand, Carb.	--- U	2.00	mg/L						
LCS (B204133-BS1)									
Biochemical Oxygen Demand, Carb.	191		mg/L	198.0		96.5	84.6-115.4		
LCS (B204133-BS2)									
Biochemical Oxygen Demand, Carb.	185		mg/L	198.0		93.4	84.6-115.4		
LCS (B204133-BS3)									
Biochemical Oxygen Demand, Carb.	176		mg/L	198.0		89.1	84.6-115.4		
Duplicate (B204133-DUP1)	**Source: 2204062-01**								
Biochemical Oxygen Demand, Carb.	--- U	2.00	mg/L		11.6				25
Matrix Spike (B204133-MS1)	**Source: 2204062-01**								
Biochemical Oxygen Demand, Carb.	362	2.00	mg/L	396.0	11.6	88.5	75-125		
Matrix Spike Dup (B204133-MSD1)	**Source: 2204062-01**								
Biochemical Oxygen Demand, Carb.	356	2.00	mg/L	396.0	11.6	87.0	75-125	1.67	200
Batch B205002									
LCS (B205002-BS1)									
Fluoride	7.27	0.500	mg/L	7.840		93	90-110		
LCS Dup (B205002-BSD1)									
Fluoride	7.20	0.500	mg/L	7.840		92	90-110	1	20

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Sanitary - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205002									
Matrix Spike (B205002-MS1)		**Source: 2204062-01**							
Fluoride	2.06	0.0500	mg/L	2.000	0.234	91	90-110		
Matrix Spike (B205002-MS2)		**Source: 2204062-02**							
Fluoride	2.04	0.0500	mg/L	2.000	0.317	86	90-110		
Batch B205003									
Blank (B205003-BLK1)									
Sulfide	--- U	0.0100	mg/L						
Blank (B205003-BLK2)									
Sulfide	--- U	0.0100	mg/L						
LCS (B205003-BS1)									
Sulfide	0.404	0.0100	mg/L	0.4615		88	85-115		
LCS Dup (B205003-BSD1)									
Sulfide	0.429	0.0100	mg/L	0.4615		93	85-115	6	20
Matrix Spike (B205003-MS1)		**Source: 2204062-01**							
Sulfide	0.185	0.0100	mg/L	0.2000	0.0156	85	80-120		
Batch B205004									
Blank (B205004-BLK1)									
Residue, Non-Filterable	--- U	10.0	mg/L						

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Sanitary - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205004									
Blank (B205004-BLK2)									
Residue, Non-Filterable	--- U	10.0	mg/L						
LCS (B205004-BS1)									
Residue, Non-Filterable	54.0	10.0	mg/L	54.30		99.4	85-115		
LCS Dup (B205004-BSD1)									
Residue, Non-Filterable	55.0	10.0	mg/L	54.30		101	85-115	1.83	20
Duplicate (B205004-DUP1)	**Source: 2204063-01**								
Residue, Non-Filterable	33.0	10.0	mg/L		33.0			0.00	20
Batch B205006									
Blank (B205006-BLK1)									
Phosphorus	--- U	0.0500	mg/L						
Blank (B205006-BLK2)									
Phosphorus	--- U	0.0500	mg/L						
LCS (B205006-BS1)									
Phosphorus	2.21	0.250	mg/L	2.220		100	90-110		
LCS Dup (B205006-BSD1)									
Phosphorus	2.20	0.250	mg/L	2.220		99	90-110	0.5	20
Matrix Spike (B205006-MS1)	**Source: 2204062-01**								
Phosphorus	1.16	0.0500	mg/L	1.000	0.202	96	90-110		

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Sanitary - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205006									
Matrix Spike (B205006-MS2)		**Source: 2204063-01**							
Phosphorus	1.60	0.0500	mg/L	1.000	0.646	95	90-110		
Batch B205034									
Blank (B205034-BLK1)									
Cyanide, Total	--- U	10.0	ug/L						
Cyanide Amenable To Chlorination	--- U	10.0	ug/L						
Blank (B205034-BLK2)									
Cyanide, Total	--- U	10.0	ug/L						
Cyanide Amenable To Chlorination	--- U	10.0	ug/L						
LCS (B205034-BS1)									
Cyanide, Total	336	10.0	ug/L	370.0		91	90-110		
LCS Dup (B205034-BSD1)									
Cyanide, Total	340	10.0	ug/L	370.0		92	90-110	1	20
Matrix Spike (B205034-MS1)		**Source: 2204062-01**							
Cyanide, Total	519	10.0	ug/L	500.0	10.4	102	90-110		
Batch B205062									
Blank (B205062-BLK1)									
Ammonia [As N]	--- U	0.100	mg/L						

Final Report

Project: O-AT-AK Milk Products - 2204062

Project Number: 2204062

Sanitary - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B205062									
Blank (B205062-BLK2)									
Ammonia [As N]	--- U	0.100	mg/L						
LCS (B205062-BS1)									
Ammonia [As N]	14.7	0.200	mg/L	14.90		99	90-110		
LCS Dup (B205062-BSD1)									
Ammonia [As N]	15.2	0.200	mg/L	14.90		102	90-110	3	20
Matrix Spike (B205062-MS1)	**Source: 2204062-01**								
Ammonia [As N]	9.72	0.100	mg/L	0.5000	9.78	NR	90-110		
Matrix Spike (B205062-MS2)	**Source: 2204063-01**								
Ammonia [As N]	1.05	0.100	mg/L	0.5000	0.552	100	90-110		

8.0 Photographs

Photo #1. Pretreated effluent from the On-Site Pretreatment System was sampled at Cedar Street Discharge monitoring location (Outfall 001).

Photo #2. The RO retentate was sampled from the Ellicott Street Discharge monitoring location (Outfall 002).