Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Client:	Looking Glass, Inc	Work Order:	MBL0006
Address:	220 W Morton	Project:	Product Water
	Moscow, ID 83843	Reported:	4/11/2022 12:17
Attn:	Kevin Espy		

Case Narrative

The samples listed below were received for analysis at Anatek Labs, Inc. The analytical report is attached. All test results reported below comply with and meet current TNI standards, other applicable regulatory standards, and the Anatek Labs, Inc. Quality Assurance Manual, unless otherwise noted in the report.

The results in this report relate only to the samples analyzed. All soil and solid results are reported on a dryweight basis unless otherwise noted. An estimation of uncertainty is available upon request.

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For questions about this report, please contact Justin Doty at 208-883-2839.

Laboratory ID	Sample Name
MBL0006-01	Idaho Ice - Moscow ID
MBL0006-02	Idaho Ice - Moscow ID
MBL0006-03	Idaho Ice - Moscow ID

QA/QC Summary

QC Parameter	Yes / No (if No, see Comments below)
1. Sample Holding Time Valid?	Yes
2. Instrument Tunes Valid?	Yes
3. Method Blank(s) Valid?	Yes
4. Internal Standard Response(s) Valid?	Yes
5. Initial Calibration Curve(s) Valid?	Yes
6. Continuing Calibration(s) Valid?	Yes

Comments:

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Analytical Results Report

Sample Location: Idaho Ice - Moscow ID
Lab/Sample Number: MBL0006-01 Collect Date: 11/29/21 12:00
Date Received: 12/01/21 08:49 Collected By: Marla Schwartz
Matrix: Drinking Water

Analyte	Result	Units	PQL	MCL	Analyzed	Analyst	Method	Qualifier
Inorganics								
Alkalinity	40.0 to pH 4.5	mg CaCO3/L	2.00		12/1/21 14:33	LAC	SM 2320 B	
Bromide	ND	mg/L	1.00		12/1/21 19:17	BKP	EPA 300.0	
Chloramine	ND	mg/L	0.0500	4	12/20/21 14:27	TAZ	SM 4500-Cl G	H5
Chloride	ND	mg/L	1.00	250	12/1/21 19:17	BKP	EPA 300.0	
Chlorine dioxide	ND	mg/L	0.250	0.8	12/20/21 14:27	TAZ	SM 4500-Cl G	H5
Free Chlorine	ND	mg/L	0.0500		12/20/21 14:27	TAZ	SM 4500-Cl G	H5
Color	ND @ pH 7.36	Color Units	5.00	15	12/2/21 13:57	LAC	SM 2120 B	H1
Conductivity	84.6	µmhos/cm @ 25°C	1.00	700	12/9/21 14:38	LAC	SM 2510 B	
Cyanide	ND	mg/L	0.0100	0.2	12/7/21 11:00	BKP	EPA 335.4	
Fluoride	ND	mg/L	1.00	4	12/1/21 19:17	BKP	EPA 300.0	
Hardness	25.8	mg CaCO3/L	1.00		12/7/21 13:56	TEC	SM 2340 C	
Langlier Index	-1.80		-20.0		12/1/21 14:33	LAC	Calculation	
Total Nitrate/Nitrite	ND	mg/L	1.00	10	12/1/21 19:17	BKP	EPA 300.0	H1
Nitrate-N	ND	mg/L	1.00	10	12/1/21 19:17	BKP	EPA 300.0	H1
Nitrite-N	ND	mg/L	1.00	1	12/1/21 19:17	BKP	EPA 300.0	H1
Odor	ND	T.O.N.	1.00	3	12/2/21 13:57	LAC	SM 2150 B	
Perchlorate	ND	ug/L	0.100		12/21/21 22:13	MER	EPA 331.0	
pH	7.27 @ 21.3°C	pH Units			12/1/21 14:33	LAC	SM 4500-H-B	H5
Phenolics	ND	mg/L	0.0500		12/13/21 8:30	BKP	EPA 420.1	
TDS	103	mg/L	50.0	500	12/3/21 15:24	LAC	SM 2540 C	
Sulfate	1.28	mg/L	1.00	250	12/1/21 19:17	BKP	EPA 300.0	
MBAS	ND	mg/L 342.4MW LAS	0.0500		12/22/21 9:01	TAZ	SM 5540 C	H3
Temperature	23.0	°C			12/1/21 14:33	LAC	SM 4500-H-B	
Turbidity	0.182	NTU	0.100		12/2/21 14:13	LAC	EPA 180.1	H1
Metals by ICP-MS								
Silver	ND	mg/L	0.00100	0.1	12/6/21 15:29	TEC	EPA 200.8	
Arsenic	ND	mg/L	0.00100	0.01	12/6/21 15:29	TEC	EPA 200.8	
Barium	0.0239	mg/L	0.00100	2	12/6/21 15:29	TEC	EPA 200.8	
Beryllium	ND	mg/L	0.000300	0.004	12/6/21 15:29	TEC	EPA 200.8	
Cadmium	ND	mg/L	0.00100	0.005	12/6/21 15:29	TEC	EPA 200.8	
Chromium	ND	mg/L	0.00100	0.1	12/13/21 14:05	TEC	EPA 200.8	
Copper	ND	mg/L	0.00100	1.3	12/6/21 15:29	TEC	EPA 200.8	
Mercury	ND	mg/L	0.000100	0.002	12/6/21 15:29	TEC	EPA 200.8	
Manganese	ND	mg/L	0.00100	0.05	12/6/21 15:29	TEC	EPA 200.8	
Nickel	ND	mg/L	0.00100		12/6/21 15:29	TEC	EPA 200.8	
Lead	ND	mg/L	0.00100	0.015	12/6/21 15:29	TEC	EPA 200.8	
Antimony	ND	mg/L	0.00100	0.006	12/13/21 14:05	TEC	EPA 200.8	
Selenium	ND	mg/L	0.00100	0.05	12/6/21 15:29	TEC	EPA 200.8	
Thallium	ND	mg/L	0.00100	0.002	12/6/21 15:29	TEC	EPA 200.8	
Uranium(mass)	ND	mg/L	0.00100	0.03	12/6/21 15:29	TEC	EPA 200.8	
Zinc	ND	mg/L	0.00100	5	12/6/21 15:29	TEC	EPA 200.8	
Metals by ICP								
Aluminum	ND	mg/L	0.0100	0.2	12/7/21 13:56	TEC	EPA 200.7	

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Analytical Results Report
(Continued)

Sample Location: Idaho Ice - Moscow ID
Lab/Sample Number: MBL0006-01 Collect Date: 11/29/21 12:00
Date Received: 12/01/21 08:49 Collected By: Marla Schwartz
Matrix: Drinking Water

Analyte	Result	Units	PQL	MCL	Analyzed	Analyst	Method	Qualifier
Metals by ICP (Continued)								
Calcium	7.07	mg/L	0.100		12/7/21 13:56	TEC	EPA 200.7	
Iron	ND	mg/L	0.0100	0.3	12/7/21 13:56	TEC	EPA 200.7	
Potassium	0.947	mg/L	0.500		12/7/21 13:56	TEC	EPA 200.7	
Magnesium	1.97	mg/L	0.100		12/7/21 13:56	TEC	EPA 200.7	
Sodium	7.17	mg/L	0.100		12/7/21 13:56	TEC	EPA 200.7	
Radiochemistry								
Gross alpha	<3.00 ± 0.535	pCi/L	3.00	15	2/28/22 23:31	APM	EPA 900.0	
Gross beta**	<4.00 ± 0.557	pCi/L	4.00	50	2/28/22 23:31	APM	EPA 900.0	
Radium 226	<0.179 ± 0.069	pCi/L	1.00	5	3/17/22 21:30	APM	EPA 903.0	
Surrogate: Barium Carrier	*119%*		*80-120*		*3/17/22 17:30*	*APM*	*EPA 903.0*	
Radium 228	0.186 ± 0.326	pCi/L	1.00	5	3/4/22 20:20	APM	EPA 904.0	
Surrogate: Barium Carrier	*119%*		*80-120*		*3/17/22 17:30*	*APM*	*EPA 904.0*	
Surrogate: Yttrium Carrier	*103%*		*80-120*		*3/4/22 16:25*	*APM*	*EPA 904.0*	
Semivolatiles								
3-Hydroxycarbofuran	ND	ug/L	2.00		12/3/21 15:46	BKP	EPA 531.2	
Aldicarb	ND	ug/L	0.500	3	12/3/21 15:46	BKP	EPA 531.2	
Aldicarb Sulfone	ND	ug/L	0.800	2	12/3/21 15:46	BKP	EPA 531.2	
Aldicarb Sulfoxide	ND	ug/L	0.500	4	12/3/21 15:46	BKP	EPA 531.2	
Carbaryl	ND	ug/L	2.00		12/3/21 15:46	BKP	EPA 531.2	
Carbofuran	ND	ug/L	0.900	40	12/3/21 15:46	BKP	EPA 531.2	
Methiocarb	ND	ug/L	1.00		12/3/21 15:46	BKP	EPA 531.2	
Methomyl	ND	ug/L	4.00		12/3/21 15:46	BKP	EPA 531.2	
Oxamyl (Vydate)	ND	ug/L	2.00	200	12/3/21 15:46	BKP	EPA 531.2	
Propoxur	ND	ug/L	1.00		12/3/21 15:46	BKP	EPA 531.2	
Diquat	ND	ug/L	0.400	20	12/16/21 19:48	taz	EPA 549.2	
1,2,3-Trichloropropane	ND	ug/L	0.500		12/3/21 13:20	GPB	EPA 504.1	
DBCP	ND	ug/L	0.0200	0.2	12/3/21 13:20	GPB	EPA 504.1	
EDB	ND	ug/L	0.0100	0.05	12/3/21 13:20	GPB	EPA 504.1	
Endothall	ND	ug/L	9.00	100	12/10/21 18:47	GPB	EPA 548.1	
Glyphosate	ND	ug/L	5.00	700	12/8/21 20:27	BKP	EPA 547	
2,4,5-T	ND	ug/L	0.400		12/2/21 22:36	SAT	EPA 515.4	
2,4,5-TP (Silvex)	ND	ug/L	0.200	50	12/2/21 22:36	SAT	EPA 515.4	
2,4-D	ND	ug/L	0.100	70	12/2/21 22:36	SAT	EPA 515.4	
2,4-DB	ND	ug/L	1.00		12/2/21 22:36	SAT	EPA 515.4	
3,5-Dichlorobenzoic Acid	ND	ug/L	0.500		12/2/21 22:36	SAT	EPA 515.4	
Acifluorofen	ND	ug/L	1.00		12/2/21 22:36	SAT	EPA 515.4	
Bentazon	ND	ug/L	0.500		12/2/21 22:36	SAT	EPA 515.4	
Chloramben	ND	ug/L	0.200		12/2/21 22:36	SAT	EPA 515.4	
Dalapon	ND	ug/L	1.00	200	12/2/21 22:36	SAT	EPA 515.4	
DCPA (Acid Metabolites)	ND	ug/L	0.100		12/2/21 22:36	SAT	EPA 515.4	
Dicamba	ND	ug/L	0.200		12/2/21 22:36	SAT	EPA 515.4	

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Analytical Results Report
(Continued)

Sample Location:	Idaho Ice - Moscow ID		
Lab/Sample Number:	MBL0006-01	Collect Date:	11/29/21 12:00
Date Received:	12/01/21 08:49	Collected By:	Marla Schwartz
Matrix:	Drinking Water		

Analyte	Result	Units	PQL	MCL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)								
Dichlorprop	ND	ug/L	0.500		12/2/21 22:36	SAT	EPA 515.4	
Dinoseb	ND	ug/L	0.200	7	12/2/21 22:36	SAT	EPA 515.4	
Pentachlorophenol	ND	ug/L	0.0400	1	12/2/21 22:36	SAT	EPA 515.4	
Picloram	ND	ug/L	0.100	500	12/2/21 22:36	SAT	EPA 515.4	
4,4'-DDD	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
4,4'-DDE	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
4,4'-DDT	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Aldrin	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
alpha-BHC	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Arochlor 1016 (1)	ND	ug/L	0.0800		12/7/21 10:33	GPB	EPA 505	
Arochlor 1221 (1)	ND	ug/L	20.0		12/7/21 10:33	GPB	EPA 505	
Arochlor 1232 (1)	ND	ug/L	0.500		12/7/21 10:33	GPB	EPA 505	
Arochlor 1242 (1)	ND	ug/L	0.300		12/7/21 10:33	GPB	EPA 505	
Arochlor 1248 (1)	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Arochlor 1254 (1)	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Arochlor 1260 (1)	ND	ug/L	0.200		12/7/21 10:33	GPB	EPA 505	
beta-BHC	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Chlordane (Total)	ND	ug/L	0.200	2	12/7/21 10:33	GPB	EPA 505	
delta-BHC	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Dieldrin	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Endosulfan I	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Endosulfan II	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Endosulfan sulfate	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Endrin	ND	ug/L	0.0100	2	12/7/21 10:33	GPB	EPA 505	
Endrin aldehyde	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Endrin ketone	ND	ug/L	0.100		12/7/21 10:33	GPB	EPA 505	
Heptachlor	ND	ug/L	0.0400	0.4	12/7/21 10:33	GPB	EPA 505	
Heptachlor epoxide	ND	ug/L	0.0200	0.2	12/7/21 10:33	GPB	EPA 505	
Lindane (BHC-gamma)	ND	ug/L	0.0200	0.2	12/7/21 10:33	GPB	EPA 505	
Methoxychlor	ND	ug/L	0.100	40	12/7/21 10:33	GPB	EPA 505	
PCB (as total arochlors)	ND	ug/L	0.500	0.5	12/7/21 10:33	GPB	EPA 505	
Toxaphene	ND	ug/L	1.00	3	12/7/21 10:33	GPB	EPA 505	
NEtFOSSA	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	
NMeFOSAA	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	
PFBS Perfluorobutanesulfonic acid	ND	ug/L	0.0900		12/13/21 21:33	MER	EPA 537	
PFDA Perfluorodecanoic acid	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	
PFDoA Perfluorododecanoic acid	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	
PFHpA Perfluoroheptanoic acid	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	
PFHxA Perfluorohexanoic acid	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	
PFHxS Perfluorohexanesulfonic acid	ND	ug/L	0.0300		12/13/21 21:33	MER	EPA 537	
PFNA Perfluorononanoic acid	ND	ug/L	0.0200		12/13/21 21:33	MER	EPA 537	
PFOA Perfluorooctanoic acid	ND	ug/L	0.0200		12/13/21 21:33	MER	EPA 537	
PFOS Perfluorooctanesulfonic acid	ND	ug/L	0.0400		12/13/21 21:33	MER	EPA 537	
PFTA Perfluorotetradecanoic acid	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	
PFTrDA	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	
PFUnA Perfluoroundecanoic acid	ND	ug/L	0.0100		12/13/21 21:33	MER	EPA 537	

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Analytical Results Report
(Continued)

Sample Location:	Idaho Ice - Moscow ID		
Lab/Sample Number:	MBL0006-01	Collect Date:	11/29/21 12:00
Date Received:	12/01/21 08:49	Collected By:	Marla Schwartz
Matrix:	Drinking Water		

Analyte	Result	Units	PQL	MCL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)								
Surrogate: 13C2-PFDA	*98.0%*		*70-130*		*12/13/21 21:33*	*MER*	*EPA 537*	
Surrogate: 13C2-PFHxA	*106%*		*70-130*		*12/13/21 21:33*	*MER*	*EPA 537*	
Surrogate: d5-N-EtFOSAA	*103%*		*70-130*		*12/13/21 21:33*	*MER*	*EPA 537*	
4,4'-DDD	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
4,4'-DDE	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
4,4'-DDT	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Acenaphthene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Acenaphthylene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Alachlor	ND	ug/L	0.200	2	12/7/21 22:57	BMM	EPA 525.2	
Aldrin	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
alpha-BHC	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Anthracene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Atrazine	ND	ug/L	0.100	3	12/7/21 22:57	BMM	EPA 525.2	
Benzo(g,h,i)perylene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Benzo[a]anthracene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Benzo[a]pyrene	ND	ug/L	0.0200	0.2	12/7/21 22:57	BMM	EPA 525.2	
Benzo[b]fluoranthene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Benzo[k]fluoranthene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Benzyl Butyl Phthalate	ND	ug/L	1.00		12/7/21 22:57	BMM	EPA 525.2	
beta-BHC	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Bromacil	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Butachlor	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Chlorpyrifos	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Chrysene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
cis-Chlordane	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Cyanizine	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
delta-BHC	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Di (2-ethylhexyl) adipate	ND	ug/L	0.600	400	12/7/21 22:57	BMM	EPA 525.2	
Di (2-ethylhexyl) phthalate	ND	ug/L	0.600	6	12/7/21 22:57	BMM	EPA 525.2	
Diazinon	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Dibenz(a,h)anthracene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Dieldrin	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Diethyl phthalate	ND	ug/L	1.00		12/7/21 22:57	BMM	EPA 525.2	
Dimethyl phthalate	ND	ug/L	1.00		12/7/21 22:57	BMM	EPA 525.2	
Di-n-butyl phthalate	ND	ug/L	1.00		12/7/21 22:57	BMM	EPA 525.2	
Endrin	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
EPTC	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Ethyl parathion	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Fluoranthene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Fluorene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Heptachlor	ND	ug/L	0.0400		12/7/21 22:57	BMM	EPA 525.2	
Heptachlor epoxide	ND	ug/L	0.0200		12/7/21 22:57	BMM	EPA 525.2	
Hexachlorobenzene	ND	ug/L	0.100	1	12/7/21 22:57	BMM	EPA 525.2	

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Analytical Results Report
(Continued)

Sample Location: Idaho Ice - Moscow ID
Lab/Sample Number: MBL0006-01 Collect Date: 11/29/21 12:00
Date Received: 12/01/21 08:49 Collected By: Marla Schwartz
Matrix: Drinking Water

Analyte	Result	Units	PQL	MCL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)								
Hexachlorocyclopentadiene	ND	ug/L	0.100	50	12/7/21 22:57	BMM	EPA 525.2	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Lindane (BHC-gamma)	ND	ug/L	0.0400		12/7/21 22:57	BMM	EPA 525.2	
Malathion	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
MCPA	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Methoxychlor	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Metolachlor	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Metribuzin	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Molinate	ND	ug/L	0.100	0.1	12/7/21 22:57	BMM	EPA 525.2	
Parathion ethyl	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Pendimethalin	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Permethrin	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Phenanthrene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Prometon	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Pronamide	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Propachlor	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Pyrene	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Simazine	ND	ug/L	0.0700	4	12/7/21 22:57	BMM	EPA 525.2	
Terbacil	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
trans-Chlordane	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
trans-Nonachlor	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Triadimefon	ND	ug/L	0.200		12/7/21 22:57	BMM	EPA 525.2	
Trifluralin	ND	ug/L	0.100		12/7/21 22:57	BMM	EPA 525.2	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,1,1-Trichloroethane	ND	ug/L	0.500	200	12/2/21 14:37	TGT	EPA 524.3	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,1,2-Trichlorethane	ND	ug/L	0.500	5	12/2/21 14:37	TGT	EPA 524.3	
1,1-Dichloroethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,1-Dichloroethylene	ND	ug/L	0.500	7	12/2/21 14:37	TGT	EPA 524.3	
1,1-Dichloropropene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,2,3-Trichlorobenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,2,3-Trichloropropane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	70	12/2/21 14:37	TGT	EPA 524.3	
1,2,4-Trimethylbenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	600	12/2/21 14:37	TGT	EPA 524.3	
1,2-Dichloroethane	ND	ug/L	0.500	5	12/2/21 14:37	TGT	EPA 524.3	
1,2-Dichloropropane	ND	ug/L	0.500	5	12/2/21 14:37	TGT	EPA 524.3	
1,3,5-Trimethylbenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,3-Dichloropropane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,3-Dichloropropene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	75	12/2/21 14:37	TGT	EPA 524.3	
2,2-Dichloropropane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Acetone	ND	ug/L	2.50		12/2/21 14:37	TGT	EPA 524.3	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Analytical Results Report
(Continued)

Sample Location: Idaho Ice - Moscow ID
Lab/Sample Number: MBL0006-01 Collect Date: 11/29/21 12:00
Date Received: 12/01/21 08:49 Collected By: Marla Schwartz
Matrix: Drinking Water

Analyte	Result	Units	PQL	MCL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)								
Benzene	ND	ug/L	0.500	5	12/2/21 14:37	TGT	EPA 524.3	
Bromobenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Bromochloromethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Bromodichloromethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Bromoform	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Bromomethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Carbon Tetrachloride	ND	ug/L	0.500	5	12/2/21 14:37	TGT	EPA 524.3	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	100	12/2/21 14:37	TGT	EPA 524.3	
Chloroethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Chloroform	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Chloromethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	70	12/2/21 14:37	TGT	EPA 524.3	
cis-1,3-Dichloropropene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
DBCP (screening)	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Dibromochloromethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Dibromomethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Dichlorodifluoromethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
EDB (screening)	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Ethylbenzene	ND	ug/L	0.500	700	12/2/21 14:37	TGT	EPA 524.3	
Hexachlorobutadiene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Isopropylbenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
m/p Xylenes (MCL for total)	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
m-Dichlorobenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Methylene Chloride (Dichloromethane)	ND	ug/L	0.500	5	12/2/21 14:37	TGT	EPA 524.3	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Naphthalene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
n-Butylbenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
n-Propylbenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
o-Chlorotoluene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
o-Xylene (MCL for total)	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
p-Chlorotoluene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
p-isopropyltoluene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
sec-Butylbenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Styrene	ND	ug/L	0.500	100	12/2/21 14:37	TGT	EPA 524.3	
tert-Butylbenzene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Tetrachloroethylene	ND	ug/L	0.500	5	12/2/21 14:37	TGT	EPA 524.3	
Toluene	ND	ug/L	0.500	1000	12/2/21 14:37	TGT	EPA 524.3	
Total Trihalomethane	ND	ug/L	0.500	80	12/2/21 14:37	TGT	EPA 524.3	
Total Xylenes	ND	ug/L	0.500	10000	12/2/21 14:37	TGT	EPA 524.3	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	100	12/2/21 14:37	TGT	EPA 524.3	
trans-1,3-Dichloropropene	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Trichloroethene	ND	ug/L	0.500	5	12/2/21 14:37	TGT	EPA 524.3	
Trichloroflouromethane	ND	ug/L	0.500		12/2/21 14:37	TGT	EPA 524.3	
Vinyl Chloride	ND	ug/L	0.500	2	12/2/21 14:37	TGT	EPA 524.3	

Anatek Labs, Inc.

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Analytical Results Report
(Continued)

Sample Location:	Idaho Ice - Moscow ID		
Lab/Sample Number:	MBL0006-02	Collect Date:	11/29/21 12:00
Date Received:	12/01/21 08:49	Collected By:	Marla Schwartz
Matrix:	Drinking Water		

Analyte	Result	Units	PQL	MCL	Analyzed	Analyst	Method	Qualifier
Semivolatiles								
Bromochloroacetic acid	ND	ug/L	1.00		12/1/21 20:11	SAT	SM 6251 B	
DBAA	ND	ug/L	1.00		12/1/21 20:11	SAT	SM 6251 B	
DCAA	ND	ug/L	1.00		12/1/21 20:11	SAT	SM 6251 B	
MBAA	ND	ug/L	1.00		12/1/21 20:11	SAT	SM 6251 B	
MCAA	ND	ug/L	2.00		12/1/21 20:11	SAT	SM 6251 B	
TCAA	ND	ug/L	1.00		12/1/21 20:11	SAT	SM 6251 B	
Total HAA5	ND	ug/L	1.00	60	12/1/21 20:11	SAT	SM 6251 B	
Volatiles								
Bromodichloromethane	ND	ug/L	0.500		12/2/21 15:11	TGT	EPA 524.3	
Bromoform	ND	ug/L	0.500		12/2/21 15:11	TGT	EPA 524.3	
Chloroform	ND	ug/L	0.500		12/2/21 15:11	TGT	EPA 524.3	
Dibromochloromethane	ND	ug/L	0.500		12/2/21 15:11	TGT	EPA 524.3	
Total Trihalomethane	ND	ug/L	0.500	80	12/2/21 15:11	TGT	EPA 524.3	

Anatek Labs, Inc.

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Analytical Results Report
(Continued)

Sample Location:	Idaho Ice - Moscow ID		
Lab/Sample Number:	MBL0006-03	Collect Date:	11/29/21 12:00
Date Received:	12/01/21 08:49	Collected By:	Marla Schwartz
Matrix:	Drinking Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Mercury							
Mercury	ND	ug/L	0.0100	12/3/21 13:33	TEC	EPA 245.7	U

Authorized Signature,

Justin Doty For Todd Taruscio, Laboratory Manager

H1	Sample analysis performed past holding time.
H3	Sample was received past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable. Potential matrix effect
R1	RPD/RSD exceeded the method acceptance limit
R16	The RPD calculation for QC samples does not include the activity uncertainty. If included in the calculation, the RPD is within method acceptance limits.
U	Compound was analyzed for but not detected
PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was spiked or duplicated.

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

ANATEK LABS, INC - Multi-state Certified, NELAC A
☐ 1282 Alturas Drive,Moscow ID 83843 (208)883-2839 FAX 882-9246 E
☐ 504 E Sprague Ste D, Spokane WA 99202 (509)838-3999 FAX 838-4433

MBL0006

Due: 12/15/21

Idaho Chain of Custody - Drinking Water Analysis

WATER SYSTEM	Idaho Ice Moscow	Water System #	
SEND REPORT TO	Idaho Ice	Phone Number	208 669 3300
ADDRESS	Morton	Fax Number	
CITY STATE ZIP	Moscow Idaho 83843	County	LATAH

Sample Type
- ☐ Raw Water
- ☐ Distribution
- ☐ Plant Tap

Sample Purpose
- ☒ Compliance
- ☐ Investigative
- ☐ Other Purpose

Public Water System Jurisdiction
A copy of the report to be sent to:

Payment due with samples, unless credit has been established

Sample Collection Location
Idaho Ice Moscow

Well Tag#/Facility ID

Date & Time Collected
11/29/21 Noon

Sampler Name
Marla Schwartz

Sampler Signature
Marla Schwartz

Receiving Check List
- ☐ Received Intact
- ☐ No Headspace
- ☐ Labels & Chains Agree
- ☐ Temp:_____
- ☐ Ice/Ice-Packs Present:_____
- ☐ Custody Seals Present:_____
- ☐ Preservatives:_____

Check Desired Analyses

IOCs
- ☐ Sodium ☐Fluoride ☐Nitrate ☐Nitrite
- ☐ Phase II IOC Metals
- ☐ Phase V IOC Metals
- ☐ Primary IOC Package with Cn Waiver
- ☐ Secondary/Optional IOC Package
- ☐ Complete IOC Package
- ☐ Cyanide
- ☐ Asbestos

VOCs & DBPs
- ☐ VOC
- ☐ TTHM
- ☐ HAA5
- ☐ TOC

RADs
- ☐ Gross Alpha
- ☐ Gross Beta
- ☐ RAD 226
- ☐ RAD 228

SOCs
- ☐ Phase II SOC
  - ☐ Semivolatiles
  - ☐ Herbicides
  - ☐ Carbamates
  - ☐ Pesticides
  - ☐ EDB
- ☐ Phase V SOC
  - ☐ Diquat
  - ☐ Endothall
  - ☐ Glyphosate
- ☐ Dioxin

Other (specify):

Customer Signature	Marla Schwartz	Received By	12 7 C IR-4
Shipping/Delivery Date	Dec 1 2021 8:45.	Date Received	1 DEC 2021 0849 hrs.

Form COC04.00 - Eff 1 Mar 2015

Samples submitted to Anatek Labs may be subcontracted to other accredited labs if necessary. This message serves as notice of this possibility. Sub-contracted analyses will be clearly noted on the analytical report.

Anatek Labs, Inc.

Sample Receipt and Preservation Form

MBL0006

Due: 12/15/21

Client Name: Parking Glass Project:

TAT: Normal RUSH: _____ days

Samples Received From: FedEx UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/A

Number of Coolers/Boxes: 0 Type of Ice: Ice/Ice Packs Blue Ice Dry Ice None

Packing Material: Bubble Wrap Bags Foam/Peanuts None Other: _____

Cooler Temp As Read (°C): 12.7°C Cooler Temp Corrected (°C): _____ Thermometer Used: IR-4

				Comments:
Samples Received Intact?	Yes	No	N/A	
Chain of Custody Present?	Yes	No	N/A	
Samples Received Within Hold Time?	Yes	No	N/A	
Samples Properly Preserved?	Yes	No	N/A	
VOC Vials Free of Headspace (<6mm)?	Yes	No	N/A	
VOC Trip Blanks Present?	Yes	No	N/A	
Labels and Chains Agree?	Yes	No	N/A	
Total Number of Sample Bottles Received: _____				

Chain of Custody Fully Completed?	Yes	No	N/A	
Correct Containers Received?	Yes	No	N/A	
Anatek Bottles Used?	Yes	No	Unknown	

Record preservatives (and lot numbers, if known) for containers below:

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

Received Product water - will pour off into correct containers.

Received/Inspected By: [signature] Date/Time: 12/1/21 10:00

Form F19.00 - Eff 8 Feb 2019

Lab/Cor, Inc.
7619 6th Ave NW
Seattle, WA 98117

Phone: (206) 781-0155
http://www.labcor.net

EPA 100.2 - Asbestos in Drinking Water Final Report

Job Number: 211200
Client: Anatek Laboratories, Inc.
Address: 1282 Alturas Dr
Moscow, ID 83843
Project Name:
Project No.: MBL0006
PO Number:
PWS ID:
Reference No.:

Report Number: 211200R01
Report Date: 12/8/2021

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Lab/Cor Num.	Client Sample Number	Analysis	Analysis Notes	Date Sampled:	Date Received:
211200 - S1	MBL0006-01	EPA 100.2 - Asbestos in Drinking Water		11/29/2021	12/2/2021

EPA 100.2 - Asbestos in Drinking Water

Preparation and analysis of the above samples was conducted by a NELAP accredited lab (Lab ID Number: 11747) in accordance with the EPA method #100.2. In this method, samples were taken from an affected water supply to measure the amount of asbestos contamination in the system. Any samples received 48 hours or more after collection were subjected to ozone/UV treatment.

Each sample was shaken, then sonicated briefly in a Health Sonics Ultrasonic Cleaner to distribute particulate evenly. Several aliquots were filtered onto 0.22 µm, 25 mm diameter mixed cellulose ester filters. Briefly, the samples were collapsed with a solution of N,N-dimethylformamide and acetic acid, then etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. The samples were coated at high vacuum with a thin layer of carbon, placed on 200 mesh copper grids and allowed to dissolve in N,N-Dimethlyformamide / Acetone baths until cleared of filter debris.

Each aliquot was examined at low magnification to determine the best particulate loading for analysis. Any samples requiring an aliquot <1ml were resuspended in a new 1L solution to ensure even loading and proper sampling technique. Analysis was performed using a transmission electron microscope equipped with an EDS X ray analyzer. The samples were analyzed at an approximate screen magnification of 10,000x, with an accelerating voltage of 100 KV, analyzing for structures >10um in length. The sizing of grid openings was performed using a calibrated digital imaging system at low magnification.

Disclaimer The results reported relate only to the samples tested or analyzed; the laboratory is not responsible for data collected by personnel who are not affiliated with the laboratory. Results reported in both structures/cm3 and structures/mm2 are dependent on the sample volume and area. These parameters are measured and recorded by non-laboratory personnel and are not covered by the laboratory's accreditation. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Lab/Cor, Inc. the opportunity to provide you with the analytical services.

Sincerely,

X

Sierra Hinkle
Technician/Analyst

Lab/Cor, Inc.
7619 6th Ave NW
Seattle, WA 98117

Phone: (206) 781-0155
http://www.labcor.net

EPA 100.2 - Asbestos in Drinking Water Summary Data - Final Report

Job Number: 211200 SEA
Client: Anatek Laboratories, Inc.
Project Name:

Report Number: 211200R01
Date Received: 12/2/2021

Lab/Cor Sample No.: S1
Client Sample No.: MBL0006-01
Filter Fraction: 1
Aliquot Dilution: 1
Begin Volume: 40 ml
Final Dilution: 1
Volume Taken: 40 ml

Sample Area/Mass/Volume (ml) : 800
Lab Filter Area (mm2) : 289.38
Grid Openings Analyzed : 4
Average Grid Opening Area : 0.012
Area Analyzed (mm2) : 0.048
Analytical Sens. (struc/MFL>10-um) : 0.151

Analyst(s)	Analysis Date	Microscope	Magnification
SH	12/8/2021	Hitachi 7000FA	10000

Structure Type	Concen-tration MFL>10-um	95% Confidence Interval MFL>10-um	Structure Count[1] Prim/Total	
TEM Water Amphibole	< 0.151	0 - 0.556 - Poisson	0	
TEM Water Chrysotile	< 0.151	0 - 0.556 - Poisson	0	
TEM Water Total	< 0.151	0 - 0.556 - Poisson	0	

Reviewed by:

X Sierra Hinkle

Sierra Hinkle
Technician/Analyst

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

Lab/Cor, Inc.
7619 6th Ave NW
Seattle, WA 98117

Phone: (206) 781-0155
http://www.labcor.net

EPA 100.2 - Asbestos in Drinking Water Raw Data - Final Report

Job Number: 211200 **SEA** **EPA 100.2**

Client: Anatek Laboratories, Inc. **Report Number:** 211200R01

Project Name: **Date Received:** 12/2/2021

Project No.: MBL0006

Lab/Cor Sample No: S1

Client Sample No: MBL0006-01

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G7	1	F41				NSD							
G7	2	F42				NSD							
G8	3	F42				NSD							
G9	4	G41				NSD							

Count Categories

Water_Amph	TEM Water Amphibole	WATER_Chrys	TEM Water Chrysotile	WATER_Total	TEM Water Total

Reviewed by:

X

Sierra Hinkle
Technician/Analyst

EDGE ANALYTICAL

Burlington, WA *Corporate Laboratory (a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

NELAP ACCREDITED TNI LABORATORY
OR NELAP 4072

INORGANIC COMPOUNDS (IOC) REPORT

Client Name: Anatek Labs
1282 Alturas Drive
Moscow, ID 83843

Reference Number: 21-45575
Project: MBL0006

Date Collected: 11/29/21 12:00
System ID Number:
Lab Number: **046-87803**
Sample Location: Idaho Ice-Moscow ID
Sample Purpose: Investigative or Other
Sample Composition:
Approved by: bj
Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Field ID: MBL0006-01
System Group Type:
System Name:
County:
Source Number:
Multiple Sources:
Date Received: 12/2/21
Report Date: 12/13/21
Sample Type:
Sampled By:
Sampler Phone:

DOH#	ANALYTES	**RESULTS**	UNITS	SRL	Trigger	MCL	Analyst	METHOD	Lab	Analyzed	COMMENT
	Disinfection By-Products										
419	BROMATE	**0.005**	mg/L	0.001		0.010	crc	300.1	a	12/07/21	
418	CHLORITE	**ND**	mg/L	0.020		1.000	crc	300.1	a	12/07/21	

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).
MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).
An * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples.
If you have any questions concerning this report contact Lawrence J Henderson, PhD, Director of Laboratories, Vice President, at the toll-free phone number ab

FORM: IOC_ST

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

www.pacelabs.com

Report Prepared for:

Todd Taruscio
Anatek Labs, Inc.
1282 Alturas Drive
Moscow ID 83843

REPORT OF LABORATORY ANALYSIS FOR 2,3,7,8-TCDD

Report Summary:

This report contains results of one drinking water sample analyzed to determine 2,3,7,8-TCDD content. This sample was analyzed according to Method 1613 by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.

Report Prepared Date:

December 16, 2021

Report Information:

Pace Project #: 10589668
Sample Receipt Date: 12/02/2021
Client Project #: MBL0006
Client Sub PO #: N/A
State Cert #: MN00064

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 Drinking Water Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Joanne Richardson, your Pace Project Manager.

This report has been reviewed by:

Joanne Richardson

December 16, 2021

Joanne Richardson,
(612) 607-6453
(612) 607-6444 (fax)

NELAP ACCREDITED TNI LABORATORY

Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
		Missouri	10100
A2LA	2926.01	Montana	CERT0092
Alabama	40770	Nebraska	NE-OS-18-06
Alaska-DW	MN00064	Nevada	MN00064
Alaska-UST	17-009	New Hampshire	2081
Arizona	AZ0014	New Jersey	MN002
Arkansas - WW	88-0680	New York	11647
Arkansas-DW	MN00064	North Carolina-	27700
California	2929	North Carolina-	530
Colorado	MN00064	North Dakota	R-036
Connecticut	PH-0256	Ohio-DW	41244
Florida	E87605	Ohio-VAP (170	CL101
Georgia	959	Ohio-VAP (180	CL110
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon- rimary	MN300001
Illinois	200011	Oregon-Second	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky-DW	90062	Tennessee	TN02818
Kentucky-WW	90062	Texas	T104704192
Louisiana-DEQ	AI-84596	Utah	MN00064
Louisiana-DW	MN00064	Vermont	VT-027053137
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Michigan	9909	West Virginia-D	382
Minnesota	027-053-137	West Virginia-D	9952C
Minnesota-Ag	via MN 027-053	Wisconsin	999407970
Minnesota-Petr	1240	Wyoming-UST	via A2LA 2926.
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Reporting Flags

A = Reporting Limit based on signal to noise (EDL)

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interferencepresent

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDEInterference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = SeeDiscussion

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without the written consent of Pace Analytical Services, Inc.

SUBCONTRACT ORDER

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 8832839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Sending Laboratory:

Anatek Labs Inc, Moscow ID
1282 Alturas Drive
Moscow, ID 83843
Phone: 208-883-2839
Fax: 208-882-9246

Project Manager: Todd Taruscio
toddt@anateklabs.com

Subcontracted Laboratory:

Pace Analytical - MN
1800 Elm Street SE
Minneaplis, MN 55414
Phone: (612) 607-6400
Fax:

Work Order: MBL0006

Analysis	Due	Expires	Comments
Lab Sample ID: MBL0006-01 ***Drinking Water*** ***Sampled: 11/29/2021 12:00***			
Client Sample Name: Idaho Ice - Moscow ID			001
Dioxin	12/13/2021	12/13/2021 12:00	

Containers Supplied:

State of Idaho DW - 2,3,7,8- TCDD only

WO#: 10589668

10589668

Released By: _____ Date: 12/1/21

Received By: AC3/PALM Date: 12.02.21 8:45 T=5.5°C

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) - MN**	Document Revised: 14Apr2021 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.02**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt

Client Name: ANATEK LABS

Project #:

WO#: 10589668

PM: JMR **Due Date: 12/16/21**

CLIENT: Anatek

Courier: ☐ Fed Ex ☒ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 1Z981178014191937 2

See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☐ Yes ☒ No

Thermometer: ☐ T1(0461) ☐ T2(1336) ☒ T3(0459) ☐ OS418-LS ☐ T4(0254) ☐ T5(0489) ☐ 160285052

Type of Ice: ☒ Wet ☒ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☒ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:**_____ °C

Correction Factor: -0.1 **Cooler Temp Corrected w/temp blank:**_____ °C

Average Corrected Temp (no temp blank only): 5.5 °C

☒ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☒ N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** AC3 12-02-21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☒ Yes	☐ No		1.
Chain of Custody Relinquished?	☒ Yes	☐ No	AC 12-02-21	2.
Sampler Name and/or Signature on COC?	~~☒ Yes~~	☒ No	☐ N/A	3.
Samples Arrived within Hold Time?	☒ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☒ No		6.
Sufficient Volume?	☒ Yes	☐ No		7.
Correct Containers Used?	☒ Yes	☐ No		8.
-Pace Containers Used?	☒ Yes	☐ No		
Containers Intact?	☒ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☒ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐ **ENV-FRM-MIN4-0142**
Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other_____				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☒ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☒ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes	☐ No	☒ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** **See Exception** ☐ **ENV-FRM-MIN4-0142**
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☒ N/A	13. **See Exception** ☐ **ENV-FRM-MIN4-0140**
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☒ N/A	
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	Pace Trip Blank Lot # (if purchased):_____

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted:_____ Date/Time:_____

Comments/Resolution:_____

Project Manager Review: [signature] **Date:** 12-2-21

Note: Whenever there is a discrepancy a[illegible]py of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp,

Labeled by: AC3

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) Exception Form**	Document Revised: 04Jun2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0142 Rev.01**	Pace Analytical Services - **Minneapolis**

SCUR Exceptions:

Workorder #: 10589668

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

If yes, indicate who was contacted/date/time.
If no, indicate reason why.

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank

Read Temp	Corrected Temp	Average Temp
5.5	5.4	5.5
5.6	5.5	
5.8	5.7	
5.7	5.6	

Tracking Number/Temperature	

Issue Type:

Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	

Comments:

PaceAnalyticalServices,LLC.
1700ElmStreet
Minneapolis,MN,55414

Tel612-607-1700
Fax612-607-6444

Drinking Water Analysis Results
2,3,7,8-TCDD -- USEPA Method 1613B

Sample ID.....MBL0006-01
Client..... Anatek Labs, Inc.
Lab Sample ID.....10589668001

Date Collected.....11/29/2021
Date Received.....12/02/2021
Date Extracted.....12/03/2021

	Sample MBL0006-01	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	**ND**	ND	--	--
LOQ	5.0 pg/L	5.0 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	120%	121%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			0.4%	
IS Recovery	**95%**	75%	81%	68%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	**96%**	85%	90%	92%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	E211210B_20	E211208A_17	E211208A_15	E211208A_16
Analysis Date	12/10/2021	12/08/2021	12/08/2021	12/08/2021
Analysis Time	21:45	18:03	16:53	17:28
Analyst	JRH	SM	SM	SM
Volume	0.928L	1.011L	0.965L	1.002L
Dilution	NA	NA	NA	NA
ICAL Date	11/30/2021	11/30/2021	11/30/2021	11/30/2021
CCAL Filename	E211210B_03	E211208A_04	E211208A_04	E211208A_04

! = Outside the Control Limits
ND = Not Detected
LOQ = Limit of Quantitation
Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
RPD = Relative Percent Difference of Lab Spike Recoveries
IS = Internal Standard [2,3,7,8-TCDD-$^{13}C_{12}$]
CS = Cleanup Standard [2,3,7,8-TCDD-$^{37}Cl_4$]

Analyst: Jessica Hechm

Project No.....10589668

Friday, December 10, 2021

Todd Taruscio
Anatek Labs, Inc.
1282 Alturas Dr.
Moscow, ID 83843

Re: ALS Workorder: 2112052
Project Name: MBL0006
Project Number:

Dear Mr. Taruscio:

One water sample was received from Anatek Labs, Inc., on 12/2/2021. The sample was scheduled for the following analysis:

Radon-222 by Liquid Scintillation

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

[redacted]

ALS Environmental
Janice Winn-Shilling
Project Manager

Accreditations: ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins	
Accreditation Body	License or Certification Number
Arizona	AZ0828
California (CA)	2926
Colorado (CO)	CO01099
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
Oklahoma	1301
PJLA (DoD ELAP/ISO 170250)	95377
PJLA (DOE-AP/ISO 17025)	95377
Maryland (MD)	285
Missouri (MO)	175
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO010992018-1
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	TN02976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280
Virginia	460305

40 CFR Part 136: All analyses for Clean Water Act samples are analyzed using the 40 CFR Part 136 specified method and include all the QC requirements.

2112052

Radon-222:
The sample was analyzed for the presence of ^{222}Rn according to the current revision of SOP 704.

All acceptance criteria were met.

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 2112052
Client Name: Anatek Labs, Inc.
Client Project Name: MBL0006
Client Project Number:
Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
Idaho Ice - Noscow ID	2112052-1		WATER	29-Nov-21	15:00

JWS 2112052

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 8832839 - Fax (208) 8829246 - email moscow@a
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane(

SUBCONTRACT

2 1 1 2 0 5 2 - C

Sending Laboratory:

Anatek Labs Inc, Moscow ID
1282 Alturas Drive
Moscow, ID 83843
Phone: 208-883-2839
Fax: 208-882-9246

Project Manager: Todd Taruscio
toddt@anateklabs.com

Subcontracted Laboratory

ALS Environmental - Fort Collins
225 Commerce Drive
Fort Collins, CO 80524
Phone: 1(970) 490-1511
Fax:

Work Order: MBL0006

Analysis	Due	Expires	Comments
Lab Sample ID: MBL0006-01 *Drinking Water* *Sampled: 11/29/2021 12:00*			
Client Sample Name: Idaho Ice - Moscow ID			
Radon	12/13/2021	12/01/2021 12:00	

Containers Supplied:

Run Pass HT - Product Water

Released By: [signature] Date: 12/1/21

Received By: Karen Craven Date: 12/2/21 1051

2112052-A

SHIPPING
(208) 882-2838
ANATEK LABS
1282 ALTURAS DR
MOSCOW ID 83843

SHIP TO:
SAMPLE RECEIVING
(970) 490-1511
ALS FORT COLLINS
225 COMMERCE DRIVE
FT COLLINS CO 80524

10-0
5.5

Next day

CO 805 0-01

UPS NEXT DAY AIR

TRACKING #: 1Z 981 17E 01 4052 4997

BILLING: P/P

Client: Anatek Labs, Inc.
Project: MBL0006
Sample ID: Idaho Ice - Noscow ID
Legal Location:
Collection Date: 11/29/2021 15:00

Date: *10-Dec-21*
Work Order: 2112052
Lab ID: 2112052-1
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radon-222 by Liquid Scintillation		**SOP 704**			Prep Date: **12/2/2021**	PrepBy: **BMH**
Rn-222	**60 (+/- 31)**		**47**	**pCi/l**	NA	12/3/2021 17:52

Client:	Anatek Labs, Inc.	**Date:**	*10-Dec-21*
Project:	MBL0006	**Work Order:**	2112052
Sample ID:	Idaho Ice - Noscow ID	**Lab ID:**	2112052-1
Legal Location:		**Matrix:**	WATER
Collection Date:	11/29/2021 15:00	**Percent Moisture:**	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed

Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC
U or ND - Result is less than the sample specific MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
Y2 - Chemical Yield outside default limits.
W - DER is greater than Warning Limit of 1.42
* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
# - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
G - Sample density differs by more than 15% of LCS density.
D - DER is greater than Control Limit
M - Requested MDC not met.
M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
L - LCS Recovery below lower control limit.
H - LCS Recovery above upper control limit.
P - LCS, Matrix Spike Recovery within control limits.
N - Matrix Spike Recovery outside control limits
NC - Not Calculated for duplicate results less than 5 times MDC
B - Analyte concentration greater than MDC.
B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
U or ND - Indicates that the compound was analyzed for but not detected.
E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
M - Duplicate injection precision was not met.
N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
* - Duplicate analysis (relative percent difference) not within control limits.
S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.
B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
E - Analyte concentration exceeds the upper level of the calibration range.
J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
A - A tentatively identified compound is a suspected aldol-condensation product.
X - The analyte was diluted below an accurate quantitation level.
* - The spike recovery is equal to or outside the control criteria used.
+ - The relative percent difference (RPD) equals or exceeds the control criteria.
G - A pattern resembling gasoline was detected in this sample.
D - A pattern resembling diesel was detected in this sample.
M - A pattern resembling motor oil was detected in this sample.
C - A pattern resembling crude oil was detected in this sample.
4 - A pattern resembling JP-4 was detected in this sample.
5 - A pattern resembling JP-5 was detected in this sample.
H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8
- diesel
- mineral spirits
- motor oil
- Stoddard solvent
- bunker C

ALS -- Fort Collins

Client: Anatek Labs, Inc.
Work Order: 2112052
Project: MBL0006

Date: *12/10/2021 4:53:*

QC BATCH REPORT

Batch ID: **RN211202-1-1** Instrument ID: **LS6500** Method: **Radon-222 by Liquid Scintillat**

LCS Sample ID: **RN211202-1** Units: **pCi/l** Analysis Date: **12/3/2021 16:30**
Client ID: Run ID: **RN211202-1A** Prep Date: **12/2/2021** DF: **NA**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Rn-222	24200 (+/- 2800)	100	22550		107	75-125					P,M3

LCSD Sample ID: **RN211202-1** Units: **pCi/l** Analysis Date: **12/3/2021 23:47**
Client ID: Run ID: **RN211202-1A** Prep Date: **12/2/2021** DF: **NA**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Rn-222	23800 (+/- 2700)	100	22550		105	75-125		24200	0.12	2.13	P,M3

MB Sample ID: **RN211202-1MB1** Units: **pCi/l** Analysis Date: **12/3/2021 16:41**
Client ID: Run ID: **RN211202-1A** Prep Date: **12/2/2021** DF: **NA**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Rn-222	ND	28									U

MB Sample ID: **RN211202-1MB2** Units: **pCi/l** Analysis Date: **12/3/2021 22:36**
Client ID: Run ID: **RN211202-1A** Prep Date: **12/2/2021** DF: **NA**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Rn-222	ND	29									U

REP Sample ID: **2112052-1** Units: **pCi/l** Analysis Date: **12/3/2021 19:03**
Client ID: **Idaho Ice - Noscow ID** Run ID: **RN211202-1A** Prep Date: **12/2/2021** DF: **NA**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Rn-222	93 (+/- 33)	47									

The following samples were analyzed in this batch: 2112052-1