

**MINNESOTA VALLEY TESTING LABORATORIES, INC.**

1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
 2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
 1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 515-382-5486 ~ Fax 515-382-3885
 www.MVTL.com

**Account #:** 75604**Client:** ND Public Service Commission - AML Divison**Analytical Results**

Lab ID:	106722001	Date Collected:	11/06/2025 13:25	Matrix:	Groundwater		
Sample ID:	109	Date Received:	11/07/2025 08:40	Collector:	MVTL Field Service		
Temp @ Receipt (C):	3.0	Received on Ice:	Yes				
Parameter	Results	Units	RDL	DF	Prepared	Analyzed	Qual
Method: Calculated							
Sodium % Tot Cations in meq/L	47.0	%		1		11/14/2025 14:26	
Method: USDA 20b							
Sodium Adsorption Ratio	4.06		0.17	1		11/14/2025 14:26	
Method: ASTM D516-16							
Sulfate	329	mg/L	25	5		11/12/2025 12:16	
Method: EPA 353.2							
Nitrate + Nitrite as N	<0.2	mg/L	0.2	1		11/13/2025 13:30	
Method: SM2320 B-2021							
Alkalinity, Total	392	mg/L as CaCO3	20.5	1		11/07/2025 16:20	
Alkalinity, Phenolphthalein	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:20	
Carbonate	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:20	
Bicarbonate	392	mg/L as CaCO3	20.5	1		11/07/2025 16:20	
Hydroxide	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:20	
Method: SM2510 B-2021 EC							
Specific Conductance	1531	umhos/cm	1	1		11/07/2025 16:20	
Method: SM4500 H+ B-2021							
pH	7.6	units	0.1	1		11/07/2025 16:20	*
Method: SM4500-CI-E 2021							
Chloride	69.9	mg/L	2.0	1		11/11/2025 11:25	
Method: SM4500-F-C-2021							
Fluoride	0.28	mg/L	0.1	1		11/07/2025 16:20	
Method: USGS I-1750-85							
Total Dissolved Solids	1060	mg/L	10	1		11/07/2025 14:23	
Method: EPA 245.1							
Mercury	<0.0002	mg/L	0.0002	1	11/19/2025 08:20	11/19/2025 11:13	

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Report Date: Thursday, November 20, 2025 11:00:16 AM

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**Account #:** 75604**Client:** ND Public Service Commission - AML Divison**Analytical Results**

Lab ID: 106722001 **Date Collected:** 11/06/2025 13:25 **Matrix:** Groundwater
Sample ID: 109 **Date Received:** 11/07/2025 08:40 **Collector:** MVTL Field Service
Temp @ Receipt (C): 3.0 **Received on Ice:** Yes

Parameter	Results	Units	RDL	DF	Prepared	Analyzed	Qual
Method: EPA 6010D							
Boron	0.20	mg/L	0.1	1	11/07/2025 15:59	11/10/2025 12:05	
Barium	0.22	mg/L	0.1	1	11/07/2025 15:59	11/11/2025 14:40	
Calcium	107	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:00	
Iron	3.64	mg/L	0.1	1	11/07/2025 15:59	11/11/2025 14:40	
Potassium	9.13	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:00	
Magnesium	56.3	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:00	
Manganese	0.38	mg/L	0.05	1	11/07/2025 15:59	11/11/2025 14:40	
Sodium	208	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:00	
Zinc	<0.05	mg/L	0.05	1	11/07/2025 15:59	11/11/2025 14:40	
Method: EPA 6020B							
Chromium	0.0475	mg/L	0.002	5	11/07/2025 15:59	11/12/2025 16:55	
Arsenic	0.0055	mg/L	0.002	5	11/07/2025 15:59	11/12/2025 16:55	
Selenium	<0.005	mg/L	0.005	5	11/07/2025 15:59	11/12/2025 16:55	
Cadmium	<0.0005	mg/L	0.0005	5	11/07/2025 15:59	11/12/2025 16:55	
Lead	0.0029	mg/L	0.0005	5	11/07/2025 15:59	11/12/2025 16:55	
Method: 150.2							
pH - Field	7.44	units	0.01	1		11/06/2025 13:25	
Method: 170.1							
Temperature - Field C	17.74	degrees C		1		11/06/2025 13:25	

Analysis Results Comments**pH**

Sample analyzed beyond holding time.

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**Account #:** 75604**Client:** ND Public Service Commission - AML Divison**Analytical Results**

Lab ID: 106722002 **Date Collected:** 11/06/2025 13:10 **Matrix:** Groundwater
Sample ID: 221 **Date Received:** 11/07/2025 08:40 **Collector:** MVTL Field Service
Temp @ Receipt (C): 3.0 **Received on Ice:** Yes

Parameter	Results	Units	RDL	DF	Prepared	Analyzed	Qual
Method: Calculated							
Sodium % Tot Cations in meq/L	74.9	%		1		11/14/2025 14:26	
Method: USDA 20b							
Sodium Adsorption Ratio	14.1		0.17	1		11/14/2025 14:26	
Method: ASTM D516-16							
Sulfate	1080	mg/L	50	10		11/12/2025 12:17	
Method: EPA 353.2							
Nitrate + Nitrite as N	<0.2	mg/L	0.2	1		11/13/2025 13:31	
Method: SM2320 B-2021							
Alkalinity, Total	718	mg/L as CaCO3	20.5	1		11/07/2025 16:36	
Alkalinity, Phenolphthalein	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:36	
Carbonate	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:36	
Bicarbonate	718	mg/L as CaCO3	20.5	1		11/07/2025 16:36	
Hydroxide	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:36	
Method: SM2510 B-2021 EC							
Specific Conductance	3385	umhos/cm	1	1		11/07/2025 16:36	
Method: SM4500 H+ B-2021							
pH	7.7	units	0.1	1		11/07/2025 16:36	*
Method: SM4500-CI-E 2021							
Chloride	53.9	mg/L	2.0	1		11/11/2025 11:33	
Method: SM4500-F-C-2021							
Fluoride	0.58	mg/L	0.1	1		11/07/2025 16:36	
Method: USGS I-1750-85							
Total Dissolved Solids	2540	mg/L	10	1		11/07/2025 14:23	
Method: EPA 245.1							
Mercury	<0.0002	mg/L	0.0002	1	11/19/2025 08:20	11/19/2025 11:13	

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**Account #:** 75604**Client:** ND Public Service Commission - AML Divison**Analytical Results**

Lab ID: 106722002 **Date Collected:** 11/06/2025 13:10 **Matrix:** Groundwater
Sample ID: 221 **Date Received:** 11/07/2025 08:40 **Collector:** MVTL Field Service
Temp @ Receipt (C): 3.0 **Received on Ice:** Yes

Parameter	Results	Units	RDL	DF	Prepared	Analyzed	Qual
Method: EPA 6010D							
Boron	0.75	mg/L	0.1	1	11/07/2025 15:59	11/10/2025 12:05	
Barium	0.13	mg/L	0.1	1	11/07/2025 15:59	11/11/2025 14:41	
Calcium	105	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:05	
Iron	1.54	mg/L	0.1	1	11/07/2025 15:59	11/11/2025 14:41	
Potassium	8.72	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:05	
Magnesium	65.2	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:05	
Manganese	0.33	mg/L	0.05	1	11/07/2025 15:59	11/11/2025 14:41	
Sodium	745	mg/L	5	5	11/07/2025 15:59	11/14/2025 12:25	
Zinc	<0.05	mg/L	0.05	1	11/07/2025 15:59	11/11/2025 14:41	
Method: EPA 6020B							
Chromium	0.0070	mg/L	0.002	5	11/07/2025 15:59	11/12/2025 17:00	
Arsenic	0.0057	mg/L	0.002	5	11/07/2025 15:59	11/12/2025 17:00	
Selenium	<0.005	mg/L	0.005	5	11/07/2025 15:59	11/12/2025 17:00	
Cadmium	<0.0005	mg/L	0.0005	5	11/07/2025 15:59	11/12/2025 17:00	
Lead	0.0014	mg/L	0.0005	5	11/07/2025 15:59	11/12/2025 17:00	
Method: 150.2							
pH - Field	7.33	units	0.01	1		11/06/2025 13:10	
Method: 170.1							
Temperature - Field C	17.15	degrees C		1		11/06/2025 13:10	

Analysis Results Comments**pH**

Sample analyzed beyond holding time.

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**Account #:** 75604**Client:** ND Public Service Commission - AML Divison**Analytical Results**

Lab ID:	106722003	Date Collected:	11/06/2025 12:52	Matrix:	Groundwater		
Sample ID:	274	Date Received:	11/07/2025 08:40	Collector:	MVTL Field Service		
Temp @ Receipt (C):	3.0	Received on Ice:	Yes				
Parameter	Results	Units	RDL	DF	Prepared	Analyzed	Qual
Method: Calculated							
Sodium % Tot Cations in meq/L	67.2	%		1		11/14/2025 14:26	
Method: USDA 20b							
Sodium Adsorption Ratio	10.6		0.17	1		11/14/2025 14:26	
Method: ASTM D516-16							
Sulfate	1120	mg/L	50	10		11/12/2025 12:18	*
Method: EPA 353.2							
Nitrate + Nitrite as N	<0.2	mg/L	0.2	1		11/13/2025 13:32	
Method: SM2320 B-2021							
Alkalinity, Total	500	mg/L as CaCO3	20.5	1		11/07/2025 16:54	
Alkalinity, Phenolphthalein	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:54	
Carbonate	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:54	
Bicarbonate	500	mg/L as CaCO3	20.5	1		11/07/2025 16:54	
Hydroxide	<20.5	mg/L as CaCO3	20.5	1		11/07/2025 16:54	
Method: SM2510 B-2021 EC							
Specific Conductance	3219	umhos/cm	1	1		11/07/2025 16:54	
Method: SM4500 H+ B-2021							
pH	7.3	units	0.1	1		11/07/2025 16:54	*
Method: SM4500-CI-E 2021							
Chloride	46.1	mg/L	2.0	1		11/11/2025 11:34	
Method: SM4500-F-C-2021							
Fluoride	0.34	mg/L	0.1	1		11/07/2025 16:54	
Method: USGS I-1750-85							
Total Dissolved Solids	2460	mg/L	10	1		11/07/2025 14:23	
Method: EPA 245.1							
Mercury	<0.0002	mg/L	0.0002	1	11/19/2025 08:20	11/19/2025 11:13	

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**Account #:** 75604**Client:** ND Public Service Commission - AML Divison**Analytical Results**

Lab ID: 106722003 **Date Collected:** 11/06/2025 12:52 **Matrix:** Groundwater
Sample ID: 274 **Date Received:** 11/07/2025 08:40 **Collector:** MVTL Field Service
Temp @ Receipt (C): 3.0 **Received on Ice:** Yes

Parameter	Results	Units	RDL	DF	Prepared	Analyzed	Qual
Method: EPA 6010D							
Boron	0.82	mg/L	0.1	1	11/07/2025 15:59	11/10/2025 12:06	
Barium	<0.1	mg/L	0.1	1	11/07/2025 15:59	11/11/2025 14:42	
Calcium	123	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:07	
Iron	0.50	mg/L	0.1	1	11/07/2025 15:59	11/11/2025 14:42	
Potassium	11.8	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:07	
Magnesium	79.6	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:07	
Manganese	0.28	mg/L	0.05	1	11/07/2025 15:59	11/11/2025 14:42	
Sodium	613	mg/L	1	1	11/07/2025 15:59	11/14/2025 11:07	
Zinc	<0.05	mg/L	0.05	1	11/07/2025 15:59	11/11/2025 14:42	
Method: EPA 6020B							
Chromium	0.0135	mg/L	0.002	5	11/07/2025 15:59	11/12/2025 17:05	
Arsenic	0.0049	mg/L	0.002	5	11/07/2025 15:59	11/12/2025 17:05	
Selenium	<0.005	mg/L	0.005	5	11/07/2025 15:59	11/12/2025 17:05	
Cadmium	<0.0005	mg/L	0.0005	5	11/07/2025 15:59	11/12/2025 17:05	
Lead	<0.0005	mg/L	0.0005	5	11/07/2025 15:59	11/12/2025 17:05	
Method: 150.2							
pH - Field	7.1	units	0.01	1		11/06/2025 12:52	
Method: 170.1							
Temperature - Field C	17.14	degrees C		1		11/06/2025 12:52	

Analysis Results Comments**Sulfate**

Matrix spike and/or matrix spike duplicate recovery was low; the associated laboratory control sample recovery was acceptable.

pH

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Client: ND Public Service Commission - AML Division



Minnesota Valley Testing Laboratories, Inc.
2616 East Broadway Avenue
Bismarck, ND 58501
Phone: (701) 258-9720 Toll Free: (800) 279-6885

ND Public Service Commis
WO: 106722

Chain of Custody

Page 1 of 1

Work Order #
Lab Use Only

Company Name and Address ND Public Service Commission 600 E Boulevard Ave. Dept 408 Bismarck, ND 58505		Account #	Phone # 701 328-4073
Billing Address (indicate if different from above)		Contact Brett Job	Emails bjob@nd.gov
		Name of Sampler Jeremy Meyer	
		Quote Number 8205	Date Submitted 7 Nov 25
		Project Name/Number New Salem	Purchase Order #

Lab Use Only	Lab Number	Sample ID	Field pH	Field Temp Circle °C/F	Sample Matrix PW - Potable Water GW - Groundwater WW - Wastewater SW - Surface Water S - Soil/Sludge O - Other	Date Sampled	Time Sampled	# of Bottles	Filtered Y/N	Analysis Required
	001	109	7.44	17.74	GW	6 Nov 25	1325	3	N	see quote 8205 attached
	002	221	7.33	17.15	GW	6 Nov 25	1310	3	N	
	003	274	7.10	17.14	GW	6 Nov 25	1252	3	N	

Comments:

Transferred by	Date	Time	Received by	Date	Time	Temp °C	ROI	TMD #
	7 Nov 25	0840		7 Nov 25	0840	3.0	Y/N	805
							Y/N	

Please submit the top copy with your samples. We will return the completed original with your results.

N1157-11 0823

Form # 80-910005-2

See above for page number

Effective Date: 31 July 2023

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Quotation

Contact: Brett Job
ND Public Service Commission
600 E Boulevard Ave, Dept 408
59505
Email: bjob@nd.gov

Quote #: 8205
Description: New Salem Underground Coal Mine
Client ID: 75604
Requested Turnaround Time: Standard
Quote Date: 10/21/2025

Description	Matrix	Analyte	Method	Qty	Unit Price	Extended Price
New Salem	Groundwater	Sulfate	ASTM D516-16	3	\$24.00	\$72.00
New Salem	Groundwater	Nitrate+Nitrite	EPA 353.2^Bis	3	\$24.00	\$72.00
New Salem	Groundwater	Total Alkalinity (All Parameters)	SM2320 B-2021^Bis	3	\$24.00	\$72.00
New Salem	Groundwater	Conductivity	SM2510 B-2021 EC^BIS	3	\$21.75	\$65.25
New Salem	Groundwater	pH	SM4500 H+ B-2021	3	\$13.50	\$40.50
New Salem	Groundwater	Chloride	SM4500-Cl-E 2021	3	\$24.00	\$72.00
New Salem	Groundwater	Fluoride	SM4500-F-C-2021	3	\$24.00	\$72.00
New Salem	Groundwater	Total Dissolved Solids	USGS I-1750-85	3	\$28.00	\$84.00
New Salem	Groundwater	Mercury Total	EPA 245.1	3	\$57.25	\$171.75
New Salem	Groundwater	6010 Boron Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	6010 Barium Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	6010 Calcium Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	6010 Iron Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	6010 Potassium Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	6010 Magnesium Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	6010 Manganese Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	6010 Sodium Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	6010 Zinc Total	EPA 6010D	3	\$23.00	\$69.00
New Salem	Groundwater	Sodium Adsorption Ratio	USDA 20b	3	\$0.00	\$0.00
New Salem	Groundwater	6020 Chromium Total	EPA 6020B	3	\$23.00	\$69.00
New Salem	Groundwater	6020 Arsenic Total	EPA 6020B	3	\$23.00	\$69.00
New Salem	Groundwater	6020 Selenium Total	EPA 6020B	3	\$23.00	\$69.00
New Salem	Groundwater	6020 Cadmium Total	EPA 6020B	3	\$23.00	\$69.00
New Salem	Groundwater	6020 Lead Total	EPA 6020B	3	\$23.00	\$69.00

Tuesday, October 21, 2025 12:48:52 PM
Dates and times are displayed using (-05:00) US/Central.
Page 1 of 2

POWERED BY
HORIZON
v12.1.0

pg 1 of 2

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MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 515-382-5486 ~ Fax 515-382-3885
www.MVTL.com



Account #: 75604

Client: ND Public Service Commission - AML Division



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Description	Matrix	Analyte	Method	Qty	Unit Price	Extended Price
New Salem	Groundwater	Percent Sodium of Total Cations Calc	Calculated	3	\$0.00	\$0.00
Total						\$1,687.50

Terms

Quoted By: _____

Accepted By: _____

Date: _____

Signature: _____

Title: _____

Payment Terms - Net 15 Days Prices subject to change.

MVTL would provide all sample container, labels, preservatives, chain of custody forms, and coolers at no additional charge. Shipping charges may apply. MVTL has adopted a \$25 minimum invoice policy.

For the official method reference for each MVTL analysis, see the laboratory certificate and scope from the regulatory agency the work will be performed under. The laboratory certificates and scopes can be found on our website: www.mvtl.com, Customer care tab, Certificates from the menu. If you have questions about method references, please contact your sales representative providing this quote.

Tuesday, October 21, 2025 12:48:52 PM
Dates and times are displayed using (-05:00) US/Central.
Page 2 of 2



pg 2 of 2

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Field Datasheet

Groundwater Assessment

2616 E. Broadway Ave, Bismarck, ND
 Phone: (701) 258-9720

Company: ND PSC
 Event: New Salem
 Sample ID: 109
 Sampling Personal: Jay Rhye

Weather Conditions: Temp: 50 °F Wind: W @ 5-10 Precip: Sunny / Partly Cloudy / Cloudy

WELL INFORMATION	
Well Locked?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Well Labeled?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Repairs Necessary?	
Casing Diameter:	<u>2" 3"</u>
Water Level Before Purge:	<u>150.82</u> ft
Total Depth of Well:	<u>220.00</u> ft
Well Volume:	<u>193.5</u> 557 liters
Depth to Top of Pump:	
Water Level After Sample:	<u>143.40</u> ft
Measurement Method:	Electric Water Level Indicator

SAMPLING INFORMATION			
Purging Method:	Bail	S. Pump	<u>D. Pump</u> Peristaltic
Sampling Method:	<u>Bail</u>	S. Pump	D. Pump Peristaltic
Dedicated Equipment?	YES	<u>NO</u>	

Bottle List:
 1L Raw
 500ml Nitric
 250ml SIF

Duplicate Sample?
 YES / NO
 Duplicate Sample ID:

Stabilization Parameters (3 Consecutive)		Temp. (°C)	Spec. Cond.	pH	Turbidity (NTU)	Pumping Rate (L/Min)	Liters Removed	Appearance or Comment
Purge Date	Time	±0.5°	±5%	±0.1				clear, slightly turbid, turbid
<u>6 Nov 25</u>	<u>1050</u>	Start of Well Purge						
	<u>1150</u>	<u>20.11</u>	<u>1441</u>	<u>7.11</u>	<u>136.2</u>	<u>4.0</u>	<u>240.0</u>	<u>Clear</u>
		Purged near den						

Well Stabilized? YES NO Total Volume Purged: 240.0 Liters

Sample Date	Time	Temp. (°C)	Spec. Cond.	pH	Turbidity (NTU)	Appearance or Comment
<u>6 Nov 25</u>	<u>1325</u>	<u>17.74</u>	<u>1457</u>	<u>7.44</u>	<u>117.1</u>	<u>Clear</u>

Comments: _____

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Account #: 75604

Client: ND Public Service Commission - AML Divison



Field Datasheet Groundwater Assessment

2616 E. Broadway Ave, Bismarck, ND
 Phone: (701) 258-9720

Company: ND PSC
 Event: New Salem
 Sample ID: 221
 Sampling Personal: Jeremy Meyer

Weather Conditions: Temp: 50 °F Wind: N @ 5-10 Precip: Sunny / Partly Cloudy / Cloudy

WELL INFORMATION

Well Locked?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Well Labeled?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Repairs Necessary?		
Casing Diameter:	<u>2' 3"</u>	
Water Level Before Purge:	<u>145.46</u>	ft
Total Depth of Well:	<u>260.00</u>	ft
Well Volume:	<u>159.2</u>	liters
Depth to Top of Pump:		ft
Water Level After Sample:	<u>148.50</u>	ft
Measurement Method:	<u>Electric Water Level Indicator</u>	

SAMPLING INFORMATION

Purging Method:	Bail <input type="checkbox"/>	S. Pump <input type="checkbox"/>	<u>D. Pump</u> <input checked="" type="checkbox"/>	Peristaltic <input type="checkbox"/>
Sampling Method:	<u>Bail</u> <input checked="" type="checkbox"/>	S. Pump <input type="checkbox"/>	D. Pump <input type="checkbox"/>	Peristaltic <input type="checkbox"/>
Dedicated Equipment?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>		

Bottle List:
1L Row
500 mL Nit
250 mL Sulf

Duplicate Sample?
 YES / NO
 Duplicate Sample ID:

FIELD READINGS

Stabilization Parameters (3 Consecutive)		Temp. (°C)	Spec. Cond.	pH	Turbidity (NTU)	Pumping Rate	Liters Removed	Appearance or Comment
Purge Date	Time	±0.5°	±5%	±0.1		<u>4.0</u> /Min		Clarity, Color, Odor, Ect.
<u>6 Nov 25</u>	<u>1000</u>	Start of Well Purge						
	<u>1040</u>	<u>19.32</u>	<u>3479</u>	<u>7.20</u>	<u>1.77</u>	<u>4.0</u>	<u>160.0</u>	<u>Clear</u>
		<u>Purged</u>	<u>near dry</u>					

Well Stabilized? YES NO

Total Volume Purged: 160.0 Liters

Sample Date	Time	Temp. (°C)	Spec. Cond.	pH	Turbidity (NTU)	Appearance or Comment
<u>6 Nov 25</u>	<u>1310</u>	<u>17.15</u>	<u>3306</u>	<u>7.33</u>	<u>49.98</u>	<u>Clear</u>

Comments:

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Account #: 75604

Client: ND Public Service Commission - AML Divison



Field Datasheet

Groundwater Assessment

Company: ND PSC
Event: New Salem
Sample ID: 274
Sampling Personal: Jeremy Hg

2616 E. Broadway Ave, Bismarck, ND
Phone: (701) 258-9720

Weather Conditions: Temp: 50 °F Wind: N @ 5-10 Precip: Sunny / Partly Cloudy / Cloudy

WELL INFORMATION

Well Locked?	YES (NO)
Well Labeled?	(YES) NO
Repairs Necessary?	
Casing Diameter:	<u>2" 3"</u>
Water Level Before Purge:	<u>64.12</u> ft
Total Depth of Well:	<u>240.00</u> ft
Well Volume:	<u>216.7</u> liters
Depth to Top of Pump:	<u>-</u> ft
Water Level After Sample:	<u>157.55</u> ft
Measurement Method:	Electric Water Level Indicator

SAMPLING INFORMATION

Purging Method:	Bail	S. Pump	<u>D. Pump</u>	Peristaltic
Sampling Method:	<u>(Bail)</u>	S. Pump	D. Pump	Peristaltic
Dedicated Equipment?	YES	(NO)		

Bottle List:
1L Row
500 mL Nitric
250 mL SWF

Duplicate Sample?
YES / (NO)
Duplicate Sample ID:
-

FIELD READINGS

Stabilization Parameters (3 Consecutive)		Temp. (°C)	Spec. Cond.	pH	Turbidity (NTU)	Pumping Rate (ml/Min)	Liters Removed	Appearance or Comment
Purge Date	Time	±0.5°	±5%	±0.1				Clarity, Color, Odor, Ect.
<u>6 Nov 25</u>	<u>0850</u>	Start of Well Purge						
	<u>0950</u>	<u>17.12</u>	<u>3121</u>	<u>6.90</u>	<u>11.1</u>	<u>4.0</u>	<u>240.0</u>	<u>Clear</u>
		<u>Purged Dry</u>						

Well Stabilized? YES (NO) Total Volume Purged: 240.0 Liters

Sample Date	Time	Temp. (°C)	Spec. Cond.	pH	Turbidity (NTU)	Pumping Rate (ml/Min)	Liters Removed	Appearance or Comment
		±0.5°	±5%	±0.1				Clarity, Color, Odor, Ect.
<u>6 Nov 25</u>	<u>1252</u>	<u>17.14</u>	<u>3109</u>	<u>7.10</u>	<u>20.63</u>			<u>Clear</u>

Comments:

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Account #: 75604

Client: ND Public Service Commission - AML Divison



Sample Condition Checklist

Date: 7 NOV 25 Time: 1113 Analyst: PAN
Work Order #: 106722

Containers Supplied by MVTL: [X] Yes [] No (Designate customer supplied containers as "Other" in container size column)

Table with columns: Number of Bottles, Container Size (mL), Container Type, Preservation, pH, Sample IDs, Unique ID of preservation reagent added, Sample pH after preservation, Required for HNO3 samples only. Includes handwritten entries for 3 bottles with various container sizes and preservation methods.

*All samples requiring analyses performed outside of the Bismarck laboratory (New Ulm and Sub-Contract) are not documented on this form.
*All samples requiring microbiological tests are not documented on this form.

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