

Groundwater Sampling Field Data Sheet

Groundwater Sampling Field Data Sheet



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

MW23

Client: USACE (W912PP23R0023)

Date: 9/29/2024

Project # Eco-23-809

Sampling Personnel: CH, GP

Location: Fort Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 15.68

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft): 137

Screen (ft): 63.5 to 133.5

Purging Date: 9/29/2024

Water Column (ft): 121.32

Midscreen (ft): 98.5

Sampling Date: 9/30/2024

Recommended Pump Settings: 80 psi

Purge Dry: Yes No

Field Pump Settings: 170-250 Hz
195

Color of water: Brown to clear			Odor: None		
Original Sample			Duplicate Sample		
ID#	MW23102024	Time 0800	ID#	-	Time -
			MS/MSD		
			Yes No		

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0933	Instal pump						14.65			
0935	Begin purging, test drawdown									
0945	16.44	8.22	-143	1.94	205	3.58	34.40		0.75	200 Hz
0955	16.31	7.47	-115	1.73	50.3	1.56	57.70		↓	
1000	Pump malfunction						41.55			
1020	16.86	7.55	-57	1.71	220	3.27	47.55			
1030	16.55	7.54	-71	1.69	913	3.33	57.05	20		
1040	16.63	7.31	-73	1.66	278	5.79	66.10			195 Hz
1050	16.40	6.86	-91	1.65	163	0.75	73.40			215 Hz
1100	16.29	6.85	-73	1.66	78.3	2.05	78.70	40		250 Hz
1110	17.13	6.87	-101	1.65	77.9	0.00	93.85	40		250 Hz
1120	16.67	6.85	-74	1.66	104	0.00	107.1	55		
1128	Purged dry							85		
1140 9/30/24										
0800	Collect sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
9/30/24		3		40 mL VOA		HCl		8260		Eurofins
↓		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
		1		125 mL Poly		Ice		6850 / 6860		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **FW31**

Client: USACE (W912PP19F0001)

Date: 10 / 06 / 2024

Project #: Eco-23-809

Sampling Personnel: OA, GN

Location: Wingate Army Depot

Casing Diameter: 4"

Initial Depth-to-Water (ft): 44.24

Purging Method: Bailer

Monitoring Method: Bailer

Monitoring Method: Horiba U-52

Well Depth (ft): 52

Screen Interval (ft): 10 to 50

Purging Date: 10 / 06 / 2024Water Column (ft): 7.76

Midscreen (ft): 30

Sampling Date: 10 / 07 / 2024Recommended Pump settings N/APurged dry: Yes NoField Pump Settings: N/A

Color of water	<u>Clear then brown</u>	Odor	<u>None</u>
Original Sample		Duplicate Sample	
ID#	FW31102024	ID#	—
Time	<u>1215</u>	Time	—
		MS/MSD	
		Yes <u>No</u>	

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
<u>1355</u>	<u>Started Purging</u>						<u>44.24</u>		<u>0.25</u>	
<u>1358</u>	<u>18.11</u>	<u>7.99</u>	<u>67</u>	<u>2.27</u>	<u>25.8</u>	<u>6.18</u>	<u>44.24</u>			
<u>1403</u>	<u>15.33</u>	<u>7.76</u>	<u>87</u>	<u>2.33</u>	<u>17.0</u>	<u>5.65</u>	<u>45.30</u>			
<u>1408</u>	<u>15.02</u>	<u>7.80</u>	<u>91</u>	<u>2.27</u>	<u>27.1</u>	<u>5.90</u>	<u>46.41</u>			
<u>1413</u>	<u>15.35</u>	<u>7.01</u>	<u>24</u>	<u>2.26</u>	<u>25.1</u>	<u>5.43</u>	—			
<u>1418</u>	<u>15.14</u>	<u>7.73</u>	<u>78</u>	<u>2.27</u>	<u>164</u>	<u>5.84</u>	—			
<u>1423</u>	<u>14.92</u>	<u>7.00</u>	<u>60</u>	<u>2.31</u>	<u>79.2</u>	<u>5.71</u>	—			
<u>1428</u>	<u>14.91</u>	<u>7.17</u>	<u>63</u>	<u>2.32</u>	<u>136</u>	<u>5.91</u>	—			
<u>1433</u>	<u>14.42</u>	<u>7.44</u>	<u>60</u>	<u>2.34</u>	<u>126</u>	<u>6.39</u>	—			
<u>1456</u>	<u>Well Purged Dry</u>							<u>15</u>		
<u>10/7/24</u>										
<u>1215</u>	<u>collect sample</u>									
Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory		
<u>10/7/24</u>	3	40 mL VOA		HCl		8260		Eurofins		
—	1	500 mL Amber		Ice		8330		Eurofins		
<u>10/7/24</u>	2	250 mL Poly		Ice		9056		Eurofins		
↓	1	500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins		
—	1	500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins		
—	1	250 mL Amber		Ice		8270		Eurofins		
—	1	500 mL Amber		Ice		8081		Eurofins		
—	1	1 Liter Amber		Ice		Spare		Eurofins		

Discharge Water: Evaporation Cistern

Comments:

Well Cap and casing condition

Good / Fair / Bad

Groundwater Sampling Field Data Sheet



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW16

Client: USACE (W912PP19F0001)

Date: 09 / 29 / 2024

Project #: Eco-23-809

Sampling Personnel: MG, AH

Location: Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 60.64

Purging Method: Bennet High Flow

Monitoring Method: Bennet High Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 142

Screen Interval (ft): 123 to 138

Purging Date: 09 / 29 / 2024

Water Column (ft): 81.36

Midscreen (ft): 130.5

Sampling Date: 09 / 30 / 2024

Recommended Pump Settings: 75 - 150 psi

Purged Dry: Yes No

Field Pump Settings: 75 - 110 psi

Color of water: clear

Odor: None

Original Sample

Duplicate Sample

MS/MSD

ID# TMW16102024 Time 0805

ID# - Time -

Yes No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1305	Start Purging						60.64			
1315	14.84	8.84	31	1.95	0.0	1.75	81.60			75 psi
1320	15.72	8.83	26	1.93	0.0	1.55	85.32			
1325	15.95	8.81	39	1.94	0.	1.38	86.90			
1330	15.99	8.73	47	1.93	0.7	1.37	88.82			
1335	16.16	8.74	57	1.92	1.7	1.80	91.10			
1340	16.25	8.69	61	1.91	2.0	1.60	91.85			
1345	Pause Purging									
1355	Resume Purging									90 psi
1400	16.25	8.78	71	2.01	7.4	1.84	112.00			
1405	16.15	8.53	76	1.95	7.4	1.87	126.60			110 psi
1410	15.84	8.59	82	1.95	15.6	2.73	131.97			
1415	15.64	8.62	76	1.95	104	2.90	Top of Pump			
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
09/30/2024		3		40 mL VOA		HCl		8260		Eurofins
		1		250 mL Amber		Ice		8270		Eurofins
		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge Water: Evaporation Cistern

Comments:

Well Cap and casing condition

Good / Fair / Bad

Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW16

Client: USACE (W912PP19F0001)

Date: 09 / 29 / 2024

Project # Eco-23-809

Sampling Personnel: *MG, AH*

Location: Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 60.64

Purging Method: Bennet High Flow

Monitoring Method: Bennet High Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 142

Screen Interval (ft): 123 to 138

Purging Date: 09 / 29 /2024

Water Column (ft): 81.36

Midscreen (ft): 130.5

Sampling Date: 09 / 30 /2024

Recommended Pump Settings: 75 - 150 psi

Purged Dry: Yes No

Field Pump Settings: 75 - 110 psi

Color of water: *Clear*

Odor: *None*

Original Sample

Duplicate Sample

MS/ MSD

ID# TMW16102024 Time 0805

ID#	Time
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Yes ☒ No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1420								20		
09/30/24										
0805										
Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory		
09/30/2024	3	40 mL VOA		HCl		8260		Eurofins		
	1	250 mL Amber		Ice		8270		Eurofins		
	1	500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins		
	1	500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins		
	1	1 Liter Amber		Ice		Spare		Eurofins		

Discharge Water: Evaporation Cistern

Comments:

Fittings need to be changed for the water line
Additional tubing might be needed.

Well Cap and casing condition

Good / Fair / Bad



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW19

Client: USACE (W912PP23R0023)

Date: 09 / 29 / 2024

Project # Eco-23-809

Sampling Personnel: MG, AH

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 47.54

Purging Method: Bennett High Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 187

Screen (ft): 169 to 184

Purging Date: 09 / 29 / 2024

Water Column (ft): 139.46

Midscreen (ft): 176.5

Sampling Date: 09 / 30 / 2024

Recommended Pump Settings: 60 psi

Purge Dry: Yes No

Field Pump Settings: 60 psi - 80 psi

Color of water: Clear

Odor: None

Original Sample

Duplicate Sample

MS/MSD

ID# TMW19102024 Time 0930

ID# - Time -

Yes No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0905		8.92	-105	3.17	0.0	0.71	47.54		0.23	
0910	14.11	8.92	-105	3.17	0.0	0.71	-	0.4	60 psi	→ 0.03
0915	14.36	8.88	-85	3.17	0.0	0.86	-	0.6		
0920	14.71	8.83	-76	3.17	0.0	1.98	70.33	0.8		
0925	16.01	8.59	11	3.10	0.0	3.55	69.91	1.0		
0930	16.11	8.75	22	3.14	0.0	3.25	69.95	1.1		
0935	16.68	8.70	3	3.14	0.0	3.10	70.05	1.2		
0940	16.84	8.68	0	3.14	1.3	3.68	70.18	1.3		
0945	17.01	8.65	5	3.13	1.6	3.47	70.10	1.4		
0947	Completed Purging. Paused Purging							1.5		
1530	Resumed Purging									
1605	16.46	8.62	84	3.02	14.0	1.90	52.60	6.0	80 psi	→ 0.5
1610	16.07	8.52	48	3.06	1.7	1.70	99.00	9.0		
1615	15.05	8.48	50	3.04	8.7	2.21	111.40	12.0		
1620	14.25	8.43	55	3.05	13.0	1.29	123.15	15.0		
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
9/30/24		3		40 mL VOA		HCl		8260		Eurofins
↓		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW36

Client: USACE (W912PP23R0023)

Date: 09 / 30 / 2024

Project # Eco-23-809

Sampling Personnel: MG, AH

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 37-49

Purging Method: Bennett High Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 157

Screen (ft): 132 to 152

Purging Date: 09 / 30 / 2024

Water Column (ft): 119.51

Midscreen (ft): 142

Sampling Date: 10 / 01 / 2024

Recommended Pump Settings: 60 - 90 psi

Purge Dry: Yes No

Field Pump Settings: 70 - 100 psi

Color of water: Clear

Odor: None

Original Sample			Duplicate Sample		MS/MSD
ID#	TMW36102024	Time 0820	ID# -	Time -	Yes No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1020	Start Purging						37.49		0.5	
1025	16.50	8.37	-200	2.94	12.8	5.94	48.70	0.6	70 psi	70 psi
1030	15.17	8.45	-78	2.95	1.2	4.88	59.50	5.0		
1035	14.62	8.41	-95	3.00	0.0	4.58	68.88	8.0		
1040	14.11	8.38	-223	3.09	3.4	4.84	75.95	10.0		
1045	13.96	8.38	-177	3.02	4.1	5.02	94.78	14.0		90 psi
1050	14.47	8.46	-75	3.00	10.7	3.79	108.10	17.0		
1055	14.37	8.37	-57	3.02	14.4	3.58	120.10	20.0		
1100	13.81	8.34	-21	3.05	23.9	3.61	130.20	23.0		100 psi
1105	13.70	8.37	-10	3.05	16.5	3.56	139.60	24.0		
1110	13.74	8.34	-12	3.05	119	3.39	146.00	26.00		
1115	Well Purged Dry							28		
10/01/2024										
0820	collected sample									

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
10/01/2024	3	40 mL VOA	HCl	8260	Eurofins
	1	125 mL Poly	Ice	6850 / 6860	Eurofins
	2	250 mL Poly	Ice	9056	Eurofins
	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins
	1	500 mL Amber	Ice	8330	Eurofins
	1	1 Liter Amber	Ice	Spare	Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good / Fair / Bad



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW44**

Client: USACE (W912PP19F0001)

Date: 09 / 30 / 2024

Project # Eco-23-809

Sampling Personnel: OA, BB

Location: Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 54.00

Purging Method: Grundfos Submersible Pump

Monitoring Method: Bailer

Monitoring Method: Horiba U-52

Well Depth (ft): 66

Screen Interval (ft): 46 to 66

Purging Date: 09 / 30 / 2024Water Column (ft): 12.00 Midscreen (ft): 51Sampling Date: 10 / 01 / 2024

Recommended Pump Settings: 160-200 Hz

Purged Dry: ☒ Yes ☐ NoField Pump Settings: 160 - 200 Hz

Color of water: <u>Clear</u>	Odor: <u>None</u>
Original Sample	Duplicate Sample
ID# <u>TMW44102024</u> Time <u>0740</u>	ID# <u>—</u> Time <u>—</u>
	MS/MSD Yes ☐ No ☒

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1245	Start	Purge					54.00		0.4	160 Hz
1248	19.83	6.04	66	3.29	52.0	4.50	56.00			
1251	17.94	6.81	102	3.26	93.8	6.07	56.60			
1254	18.12	6.44	131	3.29	37.6	7.45	56.90			
1257	18.39	6.23	148	3.31	30.6	7.17	57.10			
1300	18.21	6.03	158	3.30	35.0	7.20	58.10			165 Hz
1303	17.35	5.82	166	3.26	20.7	7.54	58.90			
1306	17.07	5.67	174	3.28	18.9	7.52	59.60			
1309	17.16	5.67	177	3.28	15.6	7.33	59.96			
1310	Purge	well dry						10		200 Hz
10/1/24										
0740	Start	sampling								

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
10/01/2024	3	40 mL VOA	HCl	8260	Eurofins
—	1	500 mL Amber	Ice	8330	Eurofins
10/01/2024	2	250 mL Poly	Ice	9056	Eurofins
↓	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
↓	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins
↓	1	250 mL Amber	Ice	8270	Eurofins
↓	1	125 mL Poly	Ice	6850 / 6860	Eurofins
↓	1	1 Liter Amber	Ice	Spare	Eurofins

Discharge Water: Evaporation Cistern

Comments:

Well Cap and casing condition

☒ Good / Fair / Bad

Groundwater Sampling Field Data Sheet

Groundwater Sampling Field Data Sheet



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW49

Client: USACE (W912PP23R0023)

Date:

10 / 07 /2024

Project # Eco-23-809

Sampling Personnel: MG, AH

Location: Fort Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 51.69

Purging Method: BESST Low Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 60.5

Screen (ft): 40 to 60

Purging Date: 10 / 07 /2024

Water Column (ft): 8.81

Midscreen (ft): 50

Sampling Date: 10 / 07 /2024

Recommended Pump Settings: 35 psi, 3 sec on, 57 sec off

Purge Dry: Yes ☒ No

Field Pump Settings: 35 psi, 3 sec on, 57 sec off

Color of water: Clear			Odor: None		
Original Sample			Duplicate Sample		
ID#	TMW49102024	Time 1400	ID#	—	Time —
			MS/ MSD		
			Yes ☒ No		

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1310	started	Purging					51.69		~130	
1315	24.10	8.82	-2	3.17	12.3	6.64	51.80			
1320	20.80	8.75	-85	4.06	16.3	5.42	51.90			
1325	19.94	8.75	-130	4.50	29.6	5.00	52.00			
1330	17.53	8.92	-22	4.22	27.2	5.62	52.10			
1335	15.43	8.77	-66	4.18	10.7	3.88	52.12			
1340	14.89	8.79	-73	3.88	3.8	5.59	52.11			
1345	14.54	8.79	-62	3.56	0.0	5.50	52.15			
1350	14.49	8.78	-58	3.56	0.0	5.37	52.12			
1355	14.71	8.78	-50	3.54	0.0	5.34	52.11			
1400	Collected	Samples						1.5		
								~5.7L		

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
10/07/2024	3	40 mL VOA	HCl	8260	Eurofins
	2	250 mL Poly	Ice	9056	Eurofins
	1	250 mL Amber	Ice	8270	Eurofins
	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins
	1	125 mL Poly	Ice	6850 / 6860	Eurofins
	1	500 mL Amber	Ice	8330	Eurofins
	1	1 Liter Amber	Ice	Spare	Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good / Fair / Bad

Groundwater Sampling Field Data Sheet



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **BGMW01**
Date: 10/1/2024

Client: USACE (W912PP23R0023)

Project # Eco-23-809 Sampling Personnel: MG, AH

Location: Fort Wingate Army Depot Casing Diameter: 2.5" Initial Depth-to-Water (ft): NA

Purging Method: BESST Low Flow

Monitoring Method: Horiba U-52 Well Depth (ft): 33 Screen (ft): 12.5 to 32.5

Purging Date: 10/1/2024 Water Column (ft): NA Midscreen (ft): 22.5

Sampling Date: 10/1/2024 Recommended Pump Settings: 30 psi, 3 sec on, 40 sec off

Purge Dry: No Field Pump Settings: 30 psi, 3 sec on, 40 sec off

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	BGMW01102024	Time	1210	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1135	Start Purging						--		190	
1140	15.40	8.45	58	4.61	10.1	7.45	--			
1145	14.85	8.45	63	4.43	49.2	7.41	--			
1150	14.93	8.44	61	4.65	0.0	7.18	--			
1155	14.91	8.43	60	4.61	0.1	6.94	--			
1200	14.69	8.39	61	4.49	3.4	6.97	--			
1205	14.72	8.40	60	4.59	1.2	6.90	--	1.5		
1210	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/1/2024		3		40 mL VOA		HCl		8260		Eurofins
10/1/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
		</								



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **BGMW02**
Date: 10/1/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: OA, BB
Location: Fort Wingate Army Depot Casing Diameter: 2.5" Initial Depth-to-Water (ft): 24.06
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 34 Screen (ft): 13.5 to 33.5
Purging Date: 10/1/2024 Water Column (ft): 9.94 Midscreen (ft): 23.5
Sampling Date: 10/1/2024 Recommended Pump Settings: 30 psi, 3.5 sec on, 40 sec off
Purge Dry: No Field Pump Settings: 30 psi, 4 sec on, 40 sec off

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# BGMW02102024 Time 1130	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1100	Start Purging						24.06		150	
1105	18.35	6.33	190	3.63	13.5	7.02	24.20			
1110	17.20	6.04	212	3.61	11.2	4.30	24.20			
1115	16.45	5.98	220	3.60	13.2	3.97	24.20			
1120	16.03	6.02	221	3.58	14.5	4.03	24.20			
1125	16.05	6.13	219	3.57	19.8	3.76	24.20	4.5		
1130	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/1/2024		3		40 mL VOA		HCl		8260		Eurofins
10/1/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **BGMW09**
Date: 9/29/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: CH, GP
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 47.49
Purging Method: Grundfos Submersible Pump
Monitoring Method: Horiba U-52 Well Depth (ft): 138 Screen (ft): 106 to 136
Purging Date: 9/29/2024 Water Column (ft): 90.51 Midscreen (ft): 121
Sampling Date: 9/30/2024 Recommended Pump Settings: 250 - 290 Hz
Purge Dry: Yes Field Pump Settings: 170 - 240 Hz

Color of water: Brown to Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# BGMW09102024 Time 0950	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1340	Start Purging						43.50		0.5	Drawdown Test
1350	20.39	8.17	73	4.42	138	3.87	52.61			170 Hz
1353	18.68	7.90	94	4.55	403	2.24	59.39			200 Hz
1356	17.50	7.87	97	4.52	112	2.08	70.45			
1359	17.01	7.74	103	4.57	48	1.64	77.68			220 Hz
1402	16.82	7.67	104	4.60	285	1.74	92.42			
1405	17.60	7.69	106	4.58	211	1.29	100.70			240 Hz
1408	16.73	7.58	107	4.58	143	1.54	112.81			
1415	Well Purged Dry							19		
9/30/2024										
0950	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
9/30/2024		3		40 mL VOA		HCl		8260		Eurofins
9/30/2024		1		250 mL Amber		Ice		8270		Eurofins
9/30/2024		2		250 mL Poly		Ice		9056		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
9/30/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
9/30/2024		1		500 mL Amber		Ice		8330		Eurofins
9/30/2024		1		250 mL Amber		Ice		8081		Eurofins
9/30/2024		1		250 mL Amber		Ice		8082		Eurofins
9/30/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition: Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

BGMW10

Client: USACE (W912PP23R0023)

Date: 9/30/2024

Project # Eco-23-809

Sampling Personnel: CH, GP

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 34.98

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

139

Screen (ft): 106 to 136

Purging Date: 9/30/2024

Water Column (ft):

104.02

Midscreen (ft): 121

Sampling Date: 10/1/2024

Recommended Pump Settings: 130 - 300 Hz

Purge Dry: Yes

Field Pump Settings: 150 - 290 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	BGMW10102024	Time	0735	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1250	Start Purging						33.96		0.6	Drawdown Test
1300	20.54	8.20	59	2.36	141	3.99	47.58			150 Hz
1310	20.01	8.37	76	2.24	36.9	2.52	61.69			190 Hz
1320	19.37	7.92	109	2.34	21.2	3.21	75.18			210 Hz
1330	18.96	7.98	113	2.29	13.5	2.19	89.82			250 Hz
1340	18.47	7.92	117	2.28	20.0	1.10	111.07			
1350	18.97	7.91	115	2.29	88.1	1.90	117.33			290 Hz
1400	18.45	7.94	112	2.29	76.2	1.36	136.19			
1405	Well Purged Dry							39		
10/1/2024										
0735	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/1/2024		3		40 mL VOA		HCl		8260		Eurofins
10/1/2024		1		250 mL Amber		Ice		8270		Eurofins
10/1/2024		2		250 mL Poly		Ice		9056		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/1/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/1/2024		1		500 mL Amber		Ice		8330		Eurofins
10/1/2024		1		250 mL Amber		Ice		8081		Eurofins
10/1/2024		1		250 mL Amber		Ice		8082		Eurofins
10/1/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **BGMW11**

Client: USACE (W912PP23R0023)

Date: 10/2/2024

Project # Eco-23-809

Sampling Personnel: GN, GP

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 19.58

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

40

Screen (ft): 20 to 40

Purging Date: 10/2/2024

Water Column (ft):

20.42

Midscreen (ft): 30

Sampling Date: 10/2/2024

Recommended Pump Settings: 140 - 160 Hz

Purge Dry: No

Field Pump Settings: 140 - 150 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample				MS/ MSD
ID#	BGMW11102024	Time	1200	ID#	FDUP03-102024	Time	1210	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1110	Start Purging						19.58		1	Stopped at 1112
1124	Restart Purging								1	150 Hz
1125	16.52	7.20	-3	6.80	67.4	3.18	26.00			
1130	14.85	7.31	-9	5.23	217	4.97	29.31			
1135	14.78	7.34	11	4.99	411	2.93	31.40			
1140	14.50	7.20	0	4.71	333	1.21	32.04			140 Hz
1145	14.07	7.12	-3	4.65	184	2.16	30.80			
1150	14.05	7.06	-6	4.55	126	0.21	31.17			145 Hz
1155	14.02	7.06	-7	4.33	102	0.00	31.34	33		
1200	Collect Sample									
1210	Collect Duplicate Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/2/2024		3		40 mL VOA		HCl		8260		Eurofins
10/2/2024		1		250 mL Amber		Ice		8270		Eurofins
10/2/2024		2		250 mL Poly		Ice		9056		Eurofins
10/2/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/2/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/2/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/2/2024		1		500 mL Amber		Ice		8330		Eurofins
10/2/2024		1		250 mL Amber		Ice		8081		Eurofins
10/2/2024		1		250 mL Amber		Ice		8082		Eurofins
10/2/2024		2		40 mL VOA		Ice		8321		Eurofins
10/2/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/2/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/2/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments: Purged 3 well volumes.

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

BGMW12

Client: USACE (W912PP23R0023)

Date: 9/29/2024

Project # Eco-23-809

Sampling Personnel: CH, GP

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 21.65

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

36

Screen (ft): 12 to 32

Purging Date: 9/29/2024

Water Column (ft):

14.35

Midscreen (ft): 22

Sampling Date: 9/30/2024

Recommended Pump Settings: 120 - 160 Hz

Purge Dry: Yes

Field Pump Settings: 110 - 130 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	BGMW12102024	Time	1045	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1455	Start Purging						21.41		0.5	Drawdown Test
1505	18.81	7.55	89	2.08	63.1	1.67	23.75			110 Hz
1508	17.66	7.30	79	1.82	38.4	3.32	24.10			
1511	19.24	7.75	69	1.62	197	3.12	24.35			120 Hz
1514	16.29	7.52	88	1.85	42.8	1.48	25.50			
1517	15.94	6.93	61	1.94	54.9	2.14	26.25			130 Hz
1520	15.26	6.94	64	1.60	51.5	2.06	28.75			
1530	Well Purged Dry							17		
9/30/2024										
1045	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
9/30/2024		3		40 mL VOA		HCl		8260		Eurofins
9/30/2024		1		250 mL Amber		Ice		8270		Eurofins
9/30/2024		2		250 mL Poly		Ice		9056		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
9/30/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
9/30/2024		1		500 mL Amber		Ice		8330		Eurofins
9/30/2024		1		250 mL Amber		Ice		8081		Eurofins
9/30/2024		1		250 mL Amber		Ice		8082		Eurofins
9/30/2024		2		40 mL VOA		Ice		8321		Eurofins
9/30/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
9/30/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
9/30/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **BGMW13D**

Client: USACE (W912PP23R0023)

Date: 10/8/2024

Project # Eco-23-809

Sampling Personnel: RS, GP

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 20.97

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft): 111

Screen (ft): 84 to 104

Purging Date: 10/8/2024

Water Column (ft): 90.03

Midscreen (ft): 94

Sampling Date: 10/8/2024

Recommended Pump Settings: 240 - 280 Hz

Purge Dry: No

Field Pump Settings: 190 - 280 Hz

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# BGMW13D102024 Time 1430	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1310	Start Purging						20.97		2	190 Hz
1320	18.19	6.65	-75	1.02	179	7.33	47.61			240 Hz
1330	17.09	6.60	-93	0.984	116	6.95	61.44			270 Hz
1340	16.36	6.58	-92	0.998	62.0	6.73	65.56			
1350	15.40	6.52	-85	1.01	50.3	6.15	66.59			280 Hz
1400	15.32	6.53	-75	0.999	51.6	6.29	68.94			270 Hz
1410	15.24	6.59	-89	1.02	37.3	6.30	67.53			260 Hz
1415	15.10	6.69	-100	1.01	27.7	6.25	66.03	130		
1430	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/8/2024		3		40 mL VOA		HCl		8260		Eurofins
10/8/2024		1		250 mL Amber		Ice		8270		Eurofins
10/8/2024		2		250 mL Poly		Ice		9056		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/8/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/8/2024		1		500 mL Amber		Ice		8330		Eurofins
10/8/2024		1		250 mL Amber		Ice		8081		Eurofins
10/8/2024		1		250 mL Amber		Ice		8082		Eurofins
10/8/2024		2		40 mL VOA		Ice		8321		Eurofins
10/8/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/8/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/8/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments: Purged 3 well volumes.

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: MW03
Date: 10/3/2024

Client: USACE (W912PP23R0023)
Project #: Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 48.23
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 53 Screen (ft): 43 to 53
Purging Date: 10/3/2024 Water Column (ft): 4.77 Midscreen (ft): 48
Sampling Date: 10/3/2024 Recommended Pump Settings: 40 psi, 6 sec on, 50 sec off
Purge Dry: No Field Pump Settings: 40 psi, 6 sec on, 50 sec off

Color of water: Clear			Odor: Slightly sulfuric (very mild)		
Original Sample			Duplicate Sample		
ID#	MW03102024	Time 1145	ID#	--	Time --
			MS/ MSD		
			No		

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1110	Start Purging						48.23		125	
1115	17.82	8.25	21	3.50	12.5	5.60	48.70			
1120	17.21	8.21	19	3.68	0.8	5.39	48.70			
1125	16.53	8.19	20	3.65	50.8	5.36	48.90			
1130	17.25	8.21	23	4.19	31.6	4.93	49.00			
1135	16.46	8.16	27	4.23	31.3	4.52	49.00			
1140	16.94	8.16	29	4.25	31.6	4.79	49.00	3.8		
1145	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/3/2024		3		40 mL VOA		HCl		8260		Eurofins
10/3/2024		2		250 mL Poly		Ice		9056		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/3/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/3/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/3/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition: Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: MW18D
Date: 10/9/2024

Client: USACE (W912PP23R0023)
Project #: Eco-23-809 Sampling Personnel: OA, GN
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 46.01
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 59.9 Screen (ft): 47 to 57
Purging Date: 10/9/2024 Water Column (ft): 13.89 Midscreen (ft): 52
Sampling Date: 10/9/2024 Recommended Pump Settings: 30 psi, 40 sec off, 5 sec on
Purge Dry: No Field Pump Settings: 30 psi, 40 sec off, 5 sec on

Color of water:	Clear	Odor:	None
Original Sample		Duplicate Sample	MS/ MSD
ID#	MW18D102024	Time	1010
ID#	--	Time	--
		No	

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0930	Start Purging						46.01		140	
0940	13.43	7.74	-36	0.002	347	4.00	46.61			
0945	14.70	7.19	-36	8.77	52.5	4.68	46.82			
0950	15.19	7.28	7	8.78	66.2	4.18	47.02			
0955	15.40	7.25	23	8.71	62.5	3.98	47.15			
1000	15.66	7.39	35	8.61	57.4	3.84	47.42			
1005	15.75	7.39	38	8.55	58.1	3.78	47.52	5		
1010	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/9/2024		3		40 mL VOA		HCl		8260		Eurofins
10/9/2024		1		250 mL Amber		Ice		8270		Eurofins
10/9/2024		2		250 mL Poly		Ice		9056		Eurofins
10/9/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/9/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/9/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/9/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/9/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition
Fair



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

MW20

Client: USACE (W912PP23R0023)

Date: 10/9/2024

Project # Eco-23-809

Sampling Personnel: RS, AH

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 47.90

Purging Method: BESST Low Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 59.4 Screen (ft): 47 to 57

Purging Date: 10/9/2024

Water Column (ft): 11.50 Midscreen (ft): 52

Sampling Date: 10/9/2024

Recommended Pump Settings: 40 psi, 6 sec on, 54 sec off

Purge Dry: No

Field Pump Settings: 40 psi, 6 sec on, 54 sec off

Color of water: Clear to yellowish brown				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	MW20102024	Time	1145	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1100	Start Purging						47.90		130	
1105	16.69	8.53	62	14.7	42.9	5.50	48.20			
1110	16.63	8.59	61	14.8	45.5	5.63	48.20			
1115	16.56	8.57	64	14.4	24.0	5.29	48.30			
1120	16.46	8.55	66	12.7	8.2	5.07	48.37			
1125	16.35	8.54	68	11.4	1.8	5.23	48.37			
1130	16.43	8.53	72	11.1	0.1	5.19	48.37			
1135	16.53	8.52	76	10.9	0.0	4.94	48.37			
1140	16.54	8.53	77	11.0	0.0	4.90	48.37			
1145	16.51	8.51	78	10.9	0.0	4.82	48.37	5.9		
1145	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/9/2024		3		40 mL VOA		HCl		8260		Eurofins
10/9/2024		1		250 mL Amber		Ice		8270		Eurofins
10/9/2024		2		250 mL Poly		Ice		9056		Eurofins
10/9/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/9/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/9/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/9/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/9/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/9/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Fair



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: MW22D
Date: 10/3/2024

Client: USACE (W912PP23R0023)
Project #: Eco-23-809 Sampling Personnel: OA, BB
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 45.11
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 58.6 Screen (ft): 48 to 58
Purging Date: 10/3/2024 Water Column (ft): 13.49 Midscreen (ft): 53
Sampling Date: 10/3/2024 Recommended Pump Settings: 30 psi, 4 sec on, 21 sec off
Purge Dry: No Field Pump Settings: 40 psi, 7 sec on, 45 sec off

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# MW22D102024 Time 1310	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1238	Start Purging						45.11		125	
1243	19.65	7.48	37	5.84	7.0	5.36	45.18			
1248	17.71	6.70	119	6.05	6.0	3.60	45.17			
1253	17.60	6.63	135	5.65	5.8	3.54	45.25			
1258	17.26	6.57	152	5.31	5.9	3.43	45.17			
1303	17.27	6.53	164	5.14	6.0	3.36	45.17			
1308	17.24	6.52	170	5.03	6.5	3.30	45.17	3.8		
1310	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/3/2024		3		40 mL VOA		HCl		8260		Eurofins
10/3/2024		1		250 mL Amber		Ice		8270		Eurofins
10/3/2024		2		250 mL Poly		Ice		9056		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/3/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/3/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/3/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/3/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____

Well Cap and casing condition
Fair



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: MW23
Date: 9/29/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: CH, GP
Location: Fort Wingate Army Depot Casing Diameter: 2.5" Initial Depth-to-Water (ft): 15.68
Purging Method: Grundfos Submersible Pump
Monitoring Method: Horiba U-52 Well Depth (ft): 137 Screen (ft): 63.5 to 133.5
Purging Date: 9/29/2024 Water Column (ft): 121.32 Midscreen (ft): 98.5
Sampling Date: 9/30/2024 Recommended Pump Settings: 170 - 250 Hz
Purge Dry: Yes Field Pump Settings: 195 - 250 Hz

Color of water: Brown to clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# MW23102024 Time 0800	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0935	Start Purging						14.65		0.75	Drawdown Test
0945	16.94	8.22	-143	1.94	205	3.58	34.40			200 Hz
0955	16.31	7.47	-115	1.73	50.3	1.56	57.70			
1000	Pause Purging									Troubleshoot Pump
1010	Restart Purging									Malfunction
1020	16.86	7.55	-57	1.71	220	3.27	47.55			
1030	16.55	7.54	-71	1.69	913	3.33	57.05			
1040	16.63	7.31	-73	1.66	278	5.79	66.10			195 Hz
1050	16.40	6.86	-91	1.65	163	0.75	73.40			215 Hz
1100	16.29	6.85	-73	1.66	78.3	2.05	78.70			
1110	17.13	6.87	-101	1.65	77.8	0.00	93.85			250 Hz
1120	16.67	6.85	-74	1.66	104	0.00	107.10			
1128	Well Purged Dry							85		
9/30/2024										
0800	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
9/30/2024		3		40 mL VOA		HCl		8260		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
9/30/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **MW24**
Date: 10/1/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: GN, GP
Location: Fort Wingate Army Depot Casing Diameter: 2.5" Initial Depth-to-Water (ft): 21.35
Purging Method: Grundfos Submersible Pump
Monitoring Method: Horiba U-52 Well Depth (ft): 66.5 Screen (ft): 16 to 66
Purging Date: 10/1/2024 Water Column (ft): 45.15 Midscreen (ft): 41
Sampling Date: 10/1/2024 Recommended Pump Settings: 130 Hz
Purge Dry: No Field Pump Settings: 130 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample				MS/ MSD
ID#	MW24102024	Time	1350	ID#	FDUP02-102024	Time	1400	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1330	Start Purging						21.35		0.2	
1337	20.92	7.31	-124	1.19	185	1.41	23.31			
1340	18.71	7.13	-121	1.08	88.3	2.16	23.35			
1343	18.12	7.06	-122	1.06	86.2	2.13	23.41			
1346	18.01	7.04	-120	1.06	89.8	2.20	23.38			
1349	18.04	6.98	-118	1.06	87.4	2.09	23.39	5		
1350	Collect Sample									
1400	Collect Duplicate Sample									

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
10/1/2024	3	40 mL VOA	HCl	8260	Eurofins
10/1/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
10/1/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins

Discharge water Evaporation Pit

Comments: _____

Well Cap and casing condition
Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: MW33
Date: 10/6/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: OA, GN
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 45.07
Purging Method: Grundfos Submersible Pump
Monitoring Method: Horiba U-52 Well Depth (ft): 60 Screen (ft): 37 to 57
Purging Date: 10/6/2024 Water Column (ft): 14.93 Midscreen (ft): 47
Sampling Date: 10/7/2024 Recommended Pump Settings: 160 - Maximum Hz
Purge Dry: Yes Field Pump Settings: 150 - 170 Hz

Color of water: Brown to clear				Odor: None				
Original Sample				Duplicate Sample				MS/ MSD
ID#	MW33102024	Time	0730	ID#	FDUP07-102024	Time	0740	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0818	Start Purging						45.07		0.2	150 Hz
0821	12.96	9.45	-31	3.07	390	6.61	51.10			155 Hz
0824	14.06	9.07	-2	3.03	372	6.10	54.60			
0827	14.87	9.29	1	3.05	300	6.21	Top of Pump			170 Hz
0830	Well Purged Dry							2.5		
10/7/2024										
0730	Collect Sample									

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
10/7/2024	3	40 mL VOA	HCl	8260	Eurofins
10/7/2024	1	250 mL Amber	Ice	8270	Eurofins
10/7/2024	2	250 mL Poly	Ice	9056	Eurofins
10/7/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
10/7/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins
10/7/2024	1	125 mL Poly	Ice	6850 / 6860	Eurofins
10/7/2024	1	500 mL Amber	Ice	8330	Eurofins
10/7/2024	3	40 mL VOA	HCl	8015B GRO	Eurofins
10/7/2024	1	1 Liter Amber	Ice	8015B DRO	Eurofins
10/7/2024	1	1 Liter Amber	Ice	Spare	Eurofins

Discharge water Evaporation Pit
Comments: Dirty water; 10 filters used for sample.

Well Cap and casing condition
Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

FW31

Client: USACE (W912PP23R0023)

Date: 10/6/2024

Project # Eco-23-809

Sampling Personnel: OA, GN

Location: Fort Wingate Army Depot

Casing Diameter: 4"

Initial Depth-to-Water (ft): 44.24

Purging Method: Bailer

Monitoring Method: Horiba U-52

Well Depth (ft):

52

Screen (ft): 10 to 50

Purging Date: 10/6/2024

Water Column (ft): 7.76

Midscreen (ft): 30

Sampling Date: 10/7/2024

Recommended Pump Settings: NA

Purge Dry: Yes

Field Pump Settings: NA

Color of water: Clear then brown				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	FW31102024	Time	1215	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (L/m)	Comments
1355	Start Purging						44.24		0.25	
1358	18.11	7.99	67	2.27	25.8	6.18	44.24			
1403	15.33	7.76	87	2.33	17.0	5.65	45.30			
1408	15.02	7.80	91	2.27	27.1	5.90	46.41			
1413	15.35	7.01	24	2.26	25.1	5.43	--			
1418	15.14	7.73	78	2.27	164	5.84	--			
1423	14.92	7.00	60	2.31	79.2	5.71	--			
1428	14.91	7.17	63	2.32	136	5.91	--			
1433	14.42	7.44	60	2.34	126	6.39	--			
1456	Well Purged Dry							15		
10/7/2024										
1215	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/7/2024		3		40 mL VOA		HCl		8260		Eurofins
10/7/2024		2		250 mL Poly		Ice		9056		Eurofins
10/7/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/7/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **SMW01**
Date: 10/2/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): NA
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 50.2 Screen (ft): 29.9 to 49.9
Purging Date: 10/2/2024 Water Column (ft): NA Midscreen (ft): 39.9
Sampling Date: 10/2/2024 Recommended Pump Settings: 40 psi, 6 sec on, 54 sec off
Purge Dry: No Field Pump Settings: 40 psi, 6 sec on, 54 sec off

Color of water: Light brownish - yellow	Odor: Slightly sulfuric	
Original Sample	Duplicate Sample	MS/ MSD
ID# SMW01102024 Time 0850	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0815	Started Purging						--		125	
0820	13.70	8.33	-204	4.94	12.2	5.75	--			
0825	13.42	8.31	-199	4.90	8.4	5.58	--			
0830	12.83	8.25	-166	4.88	0.5	5.20	--			
0835	12.82	8.25	-140	4.87	0.5	5.11	--			
0840	12.87	8.26	-126	4.86	1.0	5.10	--			
0845	12.96	8.29	-127	4.86	0.5	5.09	--	3.8		
0850	Collect Sample									



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW01

Date:

10/4/2024

Client:

USACE (W912PP23R0023)

Project #

Eco-23-809

Sampling Personnel:

MG, AH

Location:

Fort Wingate Army Depot

Casing Diameter:

2"

Initial Depth-to-Water (ft):

46.13

Purging Method:

BESST Low Flow

Monitoring Method:

Horiba U-52

Well Depth (ft):

60

Screen (ft):

44 to 59

Purging Date:

10/4/2024

Water Column (ft):

13.87

Midscreen (ft):

51.5

Sampling Date:

10/4/2024

Recommended Pump Settings:

40 psi, 7 sec on, 30 sec off

Purge Dry:

No

Field Pump Settings:

40 psi, 7 sec on, 30 sec off

Color of water:	Clear	Odor:	None
Original Sample		Duplicate Sample	
ID#	TMW01102024	Time	0830
ID#	--	Time	--
		MS/ MSD	
		Yes	

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0750	Start Purging						46.13		110	
0755	12.70	8.37	29	3.14	44.7	6.47	46.39			
0800	12.45	8.34	35	3.19	29.5	6.16	46.42			
0805	12.43	8.32	57	3.18	8.1	6.85	46.40			
0810	12.44	8.29	61	3.17	4.8	6.81	46.49			
0815	12.53	8.30	70	3.17	2.9	6.62	46.45			
0820	12.62	8.29	74	3.16	2.8	6.54	46.43			
0825	12.60	8.29	72	3.16	2.9	6.59	46.49	4		
0830	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/4/2024		9		40 mL VOA		HCl		8260		Eurofins
10/4/2024		6		250 mL Poly		Ice		9056		Eurofins
10/4/2024		3		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/4/2024		3		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/4/2024		3		125 mL Poly		Ice		6850 / 6860		Eurofins
10/4/2024		3		500 mL Amber		Ice		8330		Eurofins
10/4/2024		3		1 Liter Amber		Ice		Spare		Eurofins



Groundwater Sampling Field Data Sheet
Fort Wingate Depot Activity

Well ID: **TMW03**
Date: 10/8/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 59.06
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 70.1 Screen (ft): 49.8 to 69.8
Purging Date: 10/8/2024 Water Column (ft): 11.04 Midscreen (ft): 59.8
Sampling Date: 10/8/2024 Recommended Pump Settings: 30 psi, 8 sec on, 25 sec off
Purge Dry: No Field Pump Settings: 30 psi, 8 sec on, 25 sec off

Color of water: Clear	Odor: None
Original Sample	Duplicate Sample
ID# TMW02102024 Time 1010	ID# -- Time --
	MS/ MSD No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0930	Start Purging						59.06		180	
0935	14.23	8.59	30	4.55	0.0	6.49	59.15			
0940	14.19	8.65	29	4.55	0.0	6.24	59.15			
0945	14.24	8.65	30	4.55	0.0	6.06	59.22			
0950	14.16	8.64	30	4.57	0.0	6.06	59.22			
0955	14.26	8.64	31	4.57	0.0	5.92	59.22			
1000	14.38	8.64	31	4.57	0.0	5.83	59.22	5.4		
1010	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/8/2024		3		40 mL VOA		HCl		8260		Eurofins
10/8/2024		2		250 mL Poly		Ice		9056		Eurofins
10/8/2024		1		250 mL Amber		Ice		8270		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/8/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/8/2024		1		500 mL Amber		Ice		8330		Eurofins
10/8/2024		1		1 Liter Amber		Ice		Spare		Eurofins

1 of 1 .



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW06**
Date: 10/9/2024

Client: USACE (W912PP23R0023)		Sampling Personnel: OA, GN	
Project # Eco-23-809		Initial Depth-to-Water (ft): 49.08	
Location: Fort Wingate Army Depot		Casing Diameter: 2"	
Purging Method: BESST Low Flow			
Monitoring Method: Horiba U-52		Well Depth (ft): 57	Screen (ft): 45 to 55
Purging Date: 10/9/2024		Water Column (ft): 7.92	Midscreen (ft): 50
Sampling Date: 10/9/2024		Recommended Pump Settings: 27 - 35 psi, 7 sec on, 23 sec off	
Purge Dry: No		Field Pump Settings: 30 psi, 7 sec on, 23 sec off	

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW06102024 Time 0835	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0800	Start Purging						49.08		200	
0805	13.11	8.10	130	3.65	6.3	5.34	49.31			
0810	13.07	7.74	164	3.65	5.5	4.79	49.42			
0815	13.09	7.68	169	3.65	5.6	4.69	49.42			
0820	13.15	7.60	172	3.66	5.7	4.52	49.42			
0825	13.21	7.55	175	3.67	5.7	4.35	49.42			
0830	13.20	7.56	174	3.68	5.0	4.32	49.43	6		
0835	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/9/2024		3		40 mL VOA		HCl		8260		Eurofins
10/9/2024		1		250 mL Amber		Ice		8270		Eurofins
10/9/2024		2		250 mL Poly		Ice		9056		Eurofins
10/9/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/9/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/9/2024		1		500 mL Amber		Ice		8330		Eurofins
10/9/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/9/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/9/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit	Well Cap and casing condition Good
Comments:	



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW07**
Date: 10/2/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: OA, BB
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 46.70
Purging Method: Grundfos Submersible Pump
Monitoring Method: Horiba U-52 Well Depth (ft): 67.5 Screen (ft): 57 to 67
Purging Date: 10/2/2024 Water Column (ft): 20.80 Midscreen (ft): 62
Sampling Date: 10/3/2024 Recommended Pump Settings: 220 - 260 Hz
Purge Dry: Yes Field Pump Settings: 160 - 180 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW07102024	Time	0725	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1443	Start Purging						46.70		0.2	160 Hz
1446	20.98	8.73	-25	4.67	23.7	4.00	55.00			165 Hz
1449	18.82	8.31	-20	4.78	12.4	4.51	58.40			170 Hz
1452	17.95	8.33	-13	4.82	10.2	4.61	62.80			175 Hz
1455	17.80	8.39	-16	4.89	10.6	4.34	Top of Pump			180 Hz
1456	Well Purged Dry							2.5		
10/3/2024										
0725	Collect Sample									

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
10/3/2024	3	40 mL VOA	HCl	8260	Eurofins
10/3/2024	1	250 mL Amber	Ice	8270	Eurofins
10/3/2024	2	250 mL Poly	Ice	9056	Eurofins
10/3/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
10/3/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins
10/3/2024	3	40 mL VOA	HCl	8015B GRO	Eurofins
10/3/2024	1	1 Liter Amber	Ice	8015B DRO	Eurofins
10/3/2024	1	1 Liter Amber	Ice	Spare	Eurofins

Discharge water Evaporation Pit

Comments: _____

Well Cap and casing condition
Fair



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW08**
Date: 10/3/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 39.27
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 62 Screen (ft): 30 to 60
Purging Date: 10/3/2024 Water Column (ft): 22.73 Midscreen (ft): 45
Sampling Date: 10/3/2024 Recommended Pump Settings: 40 psi, 6 sec on, 30 sec off
Purge Dry: No Field Pump Settings: 40 psi, 6 sec on, 30 sec off

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW08102024 Time 0835	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0745	Start Purging						39.27		140	
0750	13.15	8.29	-129	18.8	157	6.60	39.40			
0755	Pause Purging									Troubleshoot Horiba
0800	Resume Purging									
0805	12.80	8.29	-14	19.2	49.6	6.01	39.40			
0810	12.84	8.25	-29	19.3	46.7	5.73	39.45			
0815	13.04	8.19	-42	19.3	35.0	5.53	39.47			
0820	13.05	8.17	-41	19.2	30.7	5.57	39.45			
0825	13.14	8.17	-41	19.2	29.8	5.58	39.42			
0830	13.21	8.16	-41	19.0	29.4	5.53	39.40	5.6		
0835	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/3/2024		3		40 mL VOA		HCl		8260		Eurofins
10/3/2024		2		250 mL Poly		Ice		9056		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/3/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/3/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/3/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments: _____

Well Cap and casing condition

Fair



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW10**
Date: 10/3/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 40.78
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 65 Screen (ft): 28 to 58
Purging Date: 10/3/2024 Water Column (ft): 24.22 Midscreen (ft): 43
Sampling Date: 10/3/2024 Recommended Pump Settings: 40 psi, 6 sec on, 40 sec off
Purge Dry: No Field Pump Settings: 40 psi, 6 sec on, 40 sec off

Color of water: Clear				Odor: Slightly sulfuric (very mild)				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW10102024	Time	1010	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0935	Start Purging						40.78		125	
0940	14.49	8.14	-127	6.72	0.0	6.57	41.01			
0945	14.02	8.20	-136	6.73	0.0	6.36	41.00			
0950	13.30	8.20	-120	6.65	0.0	6.15	41.01			
0955	13.38	8.21	-112	6.59	0.0	6.04	41.03			
1000	13.20	8.21	-116	6.46	0.0	6.02	41.01			
1005	13.38	8.21	-117	6.41	0.0	5.99	41.02	4		
1010	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/3/2024		3		40 mL VOA		HCl		8260		Eurofins
10/3/2024		2		250 mL Poly		Ice		9056		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/3/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/3/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/3/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition
Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW13**
Date: 10/8/2024

Client: USACE (W912PP23R0023)		
Project #	Eco-23-809	Sampling Personnel: OA, GN
Location: Fort Wingate Army Depot		Casing Diameter: 2" Initial Depth-to-Water (ft): 63.27
Purging Method: BESST Low Flow		
Monitoring Method: Horiba U-52	Well Depth (ft): 72.5	Screen (ft): 60.7 to 70.7
Purging Date: 10/8/2024	Water Column (ft): 9.23	Midscreen (ft): 65.7
Sampling Date: 10/8/2024	Recommended Pump Settings: 40 psi, 7 sec on, 24 sec off	
Purge Dry: No	Field Pump Settings: 40 psi, 7 sec on, 24 sec off	

Color of water: Clear				Odor: None					
Original Sample				Duplicate Sample				MS/ MSD	
ID#	TMW13102024	Time	1200	ID#	FDUP09-102024	Time	1210	No	

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1125	Start Purging						63.27		200	
1130	21.75	7.43	9	2.25	4.9	6.87	63.41			
1135	21.70	7.59	-24	2.23	5.1	7.28	63.44			
1140	18.10	6.47	-64	2.28	4.7	3.98	63.44			
1145	17.90	6.28	-46	2.28	4.5	3.81	63.44			
1150	18.03	6.20	-27	2.29	4.9	3.27	63.44			
1155	17.82	6.19	-19	2.28	4.6	3.16	63.44	6		
1200	Collect Sample									
1210	Collect Duplicate Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/8/2024		3		40 mL VOA		HCl		8260		Eurofins
10/8/2024		2		250 mL Poly		Ice		9056		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/8/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW17**
Date: 10/7/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 66.27
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 152 Screen (ft): 112 to 127
Purging Date: 10/7/2024 Water Column (ft): 85.73 Midscreen (ft): 119.5
Sampling Date: 10/7/2024 Recommended Pump Settings: 50 psi, 9 sec on, 25 sec off
Purge Dry: No Field Pump Settings: 50 psi, 9 sec on, 25 sec off

Color of water: Clear	Odor: None	
Original Sample		Duplicate Sample
ID# TMW17102024	Time 1125	ID# FDUP08-102024 Time 1135
		MS/ MSD
		No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1035	Start Purging						66.27		140	
1040	15.86	8.82	-240	2.07	0.0	6.78	66.25			
1045	15.86	8.82	-240	2.07	0.0	6.78	66.27			
1050	15.24	8.85	-211	2.01	25.0	6.01	66.28			
1055	15.22	8.84	-196	2.00	50.7	5.89	66.28			
1100	15.14	8.84	-188	2.00	67.6	5.87	66.28			
1105	Pause Purging									
1106	Resume Purging									
1110	16.48	8.77	-105	2.00	1.4	5.34	66.28			
1115	16.29	8.86	-115	2.07	0.8	5.20	66.29			
1120	16.25	8.86	-119	2.01	0.9	5.12	66.29	6.2		
1125	Collect Sample									
1135	Collect Duplicate Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/7/2024		3		40 mL VOA		HCl		8260		Eurofins
10/7/2024		2		250 mL Poly		Ice		9056		Eurofins
10/7/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/7/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/7/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW18**
Date: 9/29/2024

Client: USACE (W912PP23R0023)

Project # Eco-23-809 Sampling Personnel: MG, AH

Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 59.60

Purging Method: Bennett High Flow

Monitoring Method: Horiba U-52 Well Depth (ft): 160 Screen (ft): 150 to 160

Purging Date: 9/29/2024 Water Column (ft): 100.40 Midscreen (ft): 155

Sampling Date: 9/30/2024 Recommended Pump Settings: 60 - 70 psi

Purge Dry: Yes Field Pump Settings: 60 - 70 psi

Color of water:	Clear	Odor:	None
Original Sample		Duplicate Sample	
ID#	TMW18102024	ID#	--
Time	0855	Time	--
		MS/ MSD	
		No	

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1040	Start Purging						59.60		0.15	60 psi
1055	15.22	8.06	89	3.04	0.0	3.71	71.00			
1100	13.87	8.19	48	3.08	0.0	3.87	80.44			
1105	14.49	8.20	29	3.06	0.0	4.28	86.60			
1110	14.56	8.13	25	3.08	0.0	4.60	93.50			
1115	14.45	8.19	15	3.04	0.0	4.20	102.75			70 psi
1120	14.61	8.13	11	2.99	0.0	4.60	107.83			
1125	Pause Purging									
1450	Resume Purging						108.65			
1500	18.85	8.06	57	2.77	0.9	1.92	118.45			
1505	15.94	7.95	61	3.00	0.0	1.87	125.25			
1510	15.75	7.89	65	3.01	0.0	1.67	128.89			
1515	15.26	7.87	68	3.00	0.0	1.65	133.00			
1520	15.46	7.83	64	3.03	0.0	1.82	136.85			
1525	Well Purged Dry							11.5		
9/30/2024										
0855	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
9/30/2024		3		40 mL VOA		HCl		8260		Eurofins
9/30/2024		2		250 mL Poly		Ice		9056		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
		</								



Groundwater Sampling Field Data Sheet
Fort Wingate Depot Activity

Well ID: **TMW19**
Date: 9/29/2024

Client: USACE (W912PP23R0023)

Project # Eco-23-809 Sampling Personnel: MG, AH

Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 47.54

Purging Method: Bennett High Flow

Monitoring Method: Horiba U-52 Well Depth (ft): 187 Screen (ft): 169 to 184

Purging Date: 9/29/2024 Water Column (ft): 139.46 Midscreen (ft): 176.5

Sampling Date: 9/30/2024 Recommended Pump Settings: 60 psi

Purge Dry: Yes Field Pump Settings: 60 - 80 psi

Color of water:	Clear	Odor:	None
Original Sample		Duplicate Sample	
ID#	TMW19102024	ID#	--
Time	0930	Time	--
		MS/ MSD	
		No	

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0905	Start Purging						47.54		0.23	60 psi
0910	14.11	8.92	-105	3.17	0.0	0.71	--			
0915	14.36	8.88	-85	3.17	0.0	0.86	--			
0920	14.71	8.83	-76	3.17	0.0	1.98	70.33			
0925	16.01	8.39	11	3.10	0.0	3.55	69.91			
0930	16.11	8.75	22	3.14	0.0	3.25	69.95			
0935	16.68	8.70	3	3.14	0.0	3.10	70.05			
0940	16.84	8.68	0	3.14	1.3	3.68	70.18			
0945	17.01	8.65	5	3.13	1.6	3.47	70.10			
0947	Pause Purging									
1550	Resume Purging									
1605	16.46	8.62	84	3.02	14.0	1.90	52.60			80 psi
1610	16.07	8.52	48	3.06	1.7	1.70	99.00			
1615	15.05	8.48	50	3.04	8.7	2.21	111.90			
1620	14.25	8.43	55	3.05	13.0	1.29	123.15			
1625	14.23	8.42	68	3.09	15.7	2.33	143.15			
1630	14.73	8.39	74	3.11	14.3	1.52	156.00			
1635	Well Purged Dry							20		
9/30/2024										
0930	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
9/30/2024		3		40 mL VOA		HCl		8260		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW24**
Date: 10/8/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 38.78
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 75 Screen (ft): 44 to 54
Purging Date: 10/8/2024 Water Column (ft): 36.22 Midscreen (ft): 49
Sampling Date: 10/8/2024 Recommended Pump Settings: 25 psi, 3 sec on, 75 sec off
Purge Dry: No Field Pump Settings: 30 psi, 5 sec on, 30 sec off
22 psi, 2 sec on, 40 sec off

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW24102024 Time 0840	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0750	Start Purging						38.78		105	30 psi
0755	12.20	8.65	-188	4.52	0.0	6.58	39.80			
0800	12.11	8.64	-180	4.53	0.0	6.54	40.90			
0805	Pause Purging									
0810	Resume Purging								30	22 psi
0820	12.42	8.65	-39	2.16	0.0	6.29	40.55			
0825	11.89	8.63	-55	4.54	0.0	6.01	40.45			
0830	12.06	8.63	-58	4.54	0.0	5.94	40.32			
0835	12.22	8.62	-55	4.55	0.0	5.94	40.25	3.0		
0840	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/8/2024		3		40 mL VOA		HCl		8260		Eurofins
10/8/2024		2		250 mL Poly		Ice		9056		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW25**
Date: 10/3/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 40.50
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 74 Screen (ft): 42.5 to 52.5
Purging Date: 10/3/2024 Water Column (ft): 33.50 Midscreen (ft): 47.5
Sampling Date: 10/3/2024 Recommended Pump Settings: 33 psi, 6 sec on, 4.5 sec off
Purge Dry: No Field Pump Settings: 33 psi, 6 sec on, 4.5 sec off

Color of water: Clear				Odor: Slightly sulfuric				
Original Sample				Duplicate Sample				MS/ MSD
ID#	TMW25102024	Time	1420	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1345	Start Purging						40.50		110	
1350	20.92	8.30	-99	3.53	14.6	5.85	41.05			
1355	18.14	8.32	-135	3.75	3.6	4.82	41.75			
1400	16.81	8.27	-103	3.75	0.0	4.79	41.75			
1405	16.78	8.29	-83	3.71	0.0	4.41	41.75			
1410	16.71	8.26	-79	3.74	0.0	4.39	41.75			
1415	16.78	8.27	-75	3.78	0.0	4.33	41.75	3.4		
1420	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/3/2024		3		40 mL VOA		HCl		8260		Eurofins
10/3/2024		2		250 mL Poly		Ice		9056		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW26**
Date: 10/2/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 30.00
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 64.8 Screen (ft): 45 to 55
Purging Date: 10/2/2024 Water Column (ft): 34.80 Midscreen (ft): 50
Sampling Date: 10/2/2024 Recommended Pump Settings: 40 psi, 8 sec on, 20 sec off
Purge Dry: No Field Pump Settings: 40 psi, 8 sec on, 20 sec off

Color of water: Light brownish - yellow	Odor: Slightly sulfuric	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW26102024 Time 1030	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0950	Start Purging						30.00		200	
0955	14.78	8.20	54	3.68	23.7	5.91	30.00			
1000	13.85	8.26	53	3.82	23.4	5.56	30.03			
1005	13.61	8.29	51	3.83	31.5	5.00	30.03			
1010	13.53	8.27	52	3.82	17.8	5.01	30.05			
1015	13.60	8.28	53	3.82	12.0	5.08	30.05			
1020	13.83	8.28	53	3.82	12.3	5.07	30.05			
1025	13.66	8.28	53	3.79	12.1	5.04	30.05	7.6		
1030	Collect Sample									

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
10/2/2024	3	40 mL VOA	HCl	8260	Eurofins
10/2/2024	2	250 mL Poly	Ice	9056	Eurofins
10/2/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
10/2/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins

Discharge water Evaporation Pit

Comments: _____

Well Cap and casing condition
Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW27**
Date: 10/3/2024

Client: USACE (W912PP23R0023)		
Project #	Eco-23-809	Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot	Casing Diameter: 2"	Initial Depth-to-Water (ft): 30.15
Purging Method:	BESST Low Flow	
Monitoring Method:	Horiba U-52	Well Depth (ft): 102.2 Screen (ft): 60 to 70
Purging Date:	10/3/2024	Water Column (ft): 72.05 Midscreen (ft): 65
Sampling Date:	10/3/2024	Recommended Pump Settings: 4 sec on, 30 sec off, 50 psi
Purge Dry:	No	Field Pump Settings: 4 sec on, 30 sec off, 50 psi

Color of water:	Clear	Odor:	None
Original Sample		Duplicate Sample	MS/ MSD
ID#	TMW27102024	Time	1540
ID#	FDUP04-102024	Time	1550
			No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1505	Start Purging						30.15		140	
1510	17.33	8.24	-195	1.61	0.0	5.64	30.95			
1515	15.60	8.25	-209	1.57	0.0	4.83	30.96			
1520	15.80	8.31	-212	1.57	0.0	4.41	30.95			
1525	15.72	8.29	-206	1.57	0.0	4.31	30.95			
1530	15.71	8.29	-207	1.58	0.0	4.24	30.95			
1535	15.73	8.27	-202	1.58	0.0	4.27	30.97	4.2		
1540	Collect Sample									
1550	Collect Duplicate Sample									

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
10/3/2024	3	40 mL VOA	HCl	8260	Eurofins
10/3/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
10/3/2024	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins

Discharge water Evaporation Pit	Well Cap and casing condition Good
Comments:	



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW30

Client: USACE (W912PP23R0023)

Date: 10/2/2024

Project # Eco-23-809

Sampling Personnel: GN, GP

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 40.45

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft): 47

Screen (ft): 35 to 45

Purging Date: 10/2/2024

Water Column (ft): 6.55

Midscreen (ft): 40

Sampling Date: 10/3/2024

Recommended Pump Settings: 150 Hz

Purge Dry: Yes

Field Pump Settings: 140 - 200 Hz

Color of water:	Clear	Odor:	None
Original Sample		Duplicate Sample	
ID#	TMW30102024	ID#	--
Time	0835	Time	--
		MS/ MSD	
		No	

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1452	Start Purging						40.45		0.25	140 Hz
1455	23.73	7.72	140	2.13	19.4	4.16	41.55			
1458	20.71	7.70	139	1.85	22.4	4.41	42.38			160 Hz
1501	19.66	7.66	139	1.89	12.8	4.50	43.50			
1506	19.88	7.57	143	1.90	14.9	4.83	44.76			200 Hz
1509	19.71	7.36	149	1.86	9.3	6.46	45.90			
1510	Well Purged Dry							5		
10/3/2024										
0835	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/3/2024		3		40 mL VOA		HCl		8260		Eurofins
10/3/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/3/2024		1		250 mL Amber		Ice		8270		Eurofins
10/3/2024		2		250 mL Poly		Ice		9056		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/3/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/3/2024		1		500 mL Amber		Ice		8330		Eurofins
10/3/2024		1		1 Liter Amber		Ice		Spare		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW31S**
Date: 10/1/2024

Client: USACE (W912PP23R0023)
Project #: Eco-23-809 Sampling Personnel: OA, BB
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 44.30
Purging Method: Grundfos Submersible Pump
Monitoring Method: Horiba U-52 Well Depth (ft): 63 Screen (ft): 50 to 60
Purging Date: 10/1/2024 Water Column (ft): 18.70 Midscreen (ft): 55
Sampling Date: 10/2/2024 Recommended Pump Settings: 160 - 200 Hz
Purge Dry: Yes Field Pump Settings: 160 - 200 Hz

Color of water: Clear	Odor: None	
Original Sample		Duplicate Sample
ID# TMW31S102024	Time 0805	MS/ MSD No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1436	Start Purging						44.30		0.4	160 Hz
1441	18.00	6.91	151	2.85	166	5.95	52.40			
1446	17.97	7.00	136	2.85	61.0	5.20	53.00			170 Hz
1451	18.25	7.17	120	2.85	32.8	5.63	55.00			
1456	16.08	6.95	122	2.90	110	5.25	59.50			
1501	15.81	6.91	120	2.88	>1000	5.67	Top of Pump			200 Hz
1502	Well Purged Dry							10.5		
10/2/2024										
0805	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/2/2024		3		40 mL VOA		HCl		8260		Eurofins
10/2/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/2/2024		2		250 mL Poly		Ice		9056		Eurofins
10/2/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/2/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/2/2024		1		500 mL Amber		Ice		8330		Eurofins
10/2/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition: Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW31D**
Date: 10/8/2024

Client: USACE (W912PP23R0023)		Sampling Personnel: OA, GN	
Project # Eco-23-809		Initial Depth-to-Water (ft): 45.41	
Location: Fort Wingate Army Depot		Casing Diameter: 2"	
Purging Method: BESST Low Flow			
Monitoring Method: Horiba U-52		Well Depth (ft): 111.5	Screen (ft): 77 to 107
Purging Date: 10/8/2024		Water Column (ft): 66.09	Midscreen (ft): 92
Sampling Date: 10/8/2024		Recommended Pump Settings: 55 psi, 5 sec on, 21 sec off	
Purge Dry: No		Field Pump Settings: 55 psi, 5 sec on, 21 sec off	

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW31D102024 Time 1020	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0945	Start Purging						45.41		85	
0950	13.73	7.25	-108	4.99	8.5	5.01	45.65			
0955	13.71	6.88	-107	5.36	10.9	4.38	45.65			
1000	13.84	6.49	-91	5.36	14.1	4.10	45.61			
1005	13.96	6.28	-73	5.19	12.5	4.09	45.65			
1010	14.04	6.23	-63	5.01	10.6	3.97	45.65			
1015	14.19	6.25	-53	4.61	7.5	3.97	45.69	2.5		
1020	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/8/2024		3		40 mL VOA		HCl		8260		Eurofins
10/8/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/8/2024		2		250 mL Poly		Ice		9056		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/8/2024		1		500 mL Amber		Ice		8330		Eurofins
10/8/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit	Well Cap and casing condition Good
Comments:	



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW32**
Date: 10/10/2024

Client: USACE (W912PP23R0023)		Project #: Eco-23-809		Sampling Personnel: MG, AH	
Location: Fort Wingate Army Depot		Casing Diameter: 2"		Initial Depth-to-Water (ft): 46.75	
Purging Method: BESST Low Flow					
Monitoring Method: Horiba U-52		Well Depth (ft): 139.1		Screen (ft): 117 to 137	
Purging Date: 10/10/2024		Water Column (ft): 92.35		Midscreen (ft): 127	
Sampling Date: 10/10/2024		Recommended Pump Settings: 45 psi, 5 sec on, 25 sec off			
Purge Dry: No		Field Pump Settings: 45 psi, 5 sec on, 25 sec off			

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW32102024 Time 0955	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0920	Start Purging						46.75		100	
0925	12.53	7.82	119	3.27	6.0	6.98	46.80			
0930	13.89	7.82	-98	3.79	6.9	5.57	46.82			
0935	14.09	7.52	-126	4.44	7.4	4.38	46.85			
0940	14.35	7.34	-133	4.28	6.6	4.01	46.83			
0945	14.47	7.40	-136	4.06	6.1	3.85	46.87			
0950	14.54	7.52	-139	4.00	6.0	3.81	46.89	3.5		
0955	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/10/2024		3		40 mL VOA		HCl		8260		Eurofins
10/10/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/10/2024		2		250 mL Poly		Ice		9056		Eurofins
10/10/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/10/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/10/2024		1		500 mL Amber		Ice		8330		Eurofins
10/10/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit	Well Cap and casing condition Good
Comments:	



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW35**
Date: 10/9/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: RS, AH
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 46.96
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 55 Screen (ft): 35 to 55
Purging Date: 10/9/2024 Water Column (ft): 8.04 Midscreen (ft): 45
Sampling Date: 10/9/2024 Recommended Pump Settings: 25 psi, 5 sec on, 25 sec off
Purge Dry: No Field Pump Settings: 25 psi, 5 sec on, 25 sec off

Color of water: Clear	Odor: Sulfuric smell	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW35102024 Time 1015	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0935	Start Purging						46.96		145	
0940	14.65	8.55	-141	7.47	14.7	6.03	46.96			
0945	14.82	8.52	-147	5.55	2.7	6.59	47.00			
0950	14.98	8.52	-118	5.02	0.7	6.47	47.07			
0955	14.98	8.51	-100	4.95	0.1	6.31	47.10			
1000	15.01	8.53	-83	4.90	0.0	6.26	47.11			
1005	15.03	8.53	-69	4.86	0.1	6.04	47.12			
1010	15.09	8.53	-59	4.83	0.0	6.00	47.13	5.1		
1015	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/9/2024		3		40 mL VOA		HCl		8260		Eurofins
10/9/2024		1		250 mL Amber		Ice		8270		Eurofins
10/9/2024		2		250 mL Poly		Ice		9056		Eurofins
10/9/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/9/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/9/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/9/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/9/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/9/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition
Fair



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW36

Client: USACE (W912PP23R0023)

Date: 9/30/2024

Project # Eco-23-809

Sampling Personnel: MG, AH

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 37.49

Purging Method: Bennett High Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 157 Screen (ft): 132 to 152

Purging Date: 9/30/2024

Water Column (ft): 119.51 Midscreen (ft): 142

Sampling Date: 10/1/2024

Recommended Pump Settings: 60 - 90 psi

Purge Dry: Yes

Field Pump Settings: 70 - 100 psi

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW36102024 Time 0820	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1020	Start Purging						37.49		0.50	
1025	16.50	8.37	-200	2.94	12.8	5.94	48.70			70 psi
1030	15.17	8.45	-78	2.95	1.2	4.88	59.50			
1035	14.62	8.41	-95	3.00	0.0	4.58	68.88			
1040	14.11	8.38	-223	3.09	3.4	4.84	75.85			
1045	13.96	8.38	-177	3.02	4.1	5.02	94.78			90 psi
1050	14.47	8.40	-75	3.00	10.7	3.79	108.10			
1055	14.37	8.37	-57	3.02	14.4	3.58	120.10			
1100	13.81	8.34	-21	3.05	23.9	3.61	130.20			100 psi
1105	13.70	8.37	-10	3.05	165	3.56	139.60			
1110	13.74	8.34	-12	3.05	119	3.39	146.00			
1115	Well Purged Dry							26.00		
10/1/2024										
0820	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/1/2024		3		40 mL VOA		HCl		8260		Eurofins
10/1/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/1/2024		2		250 mL Poly		Ice		9056		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/1/2024		1		500 mL Amber		Ice		8330		Eurofins
10/1/2024		1		1 Liter Amber		Ice		Spare		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW38**
Date: 10/10/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: RS, AH
Location: Fort Wingate Army Depot Casing Diameter: 2.5" Initial Depth-to-Water (ft): 51.80
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 159.5 Screen (ft): 118.9 to 158.9
Purging Date: 10/10/2024 Water Column (ft): 107.70 Midscreen (ft): 138.9
Sampling Date: 10/10/2024 Recommended Pump Settings: 30 psi, 5.5 sec on, 25 sec off
Purge Dry: No Field Pump Settings: 30 psi, 4.5 sec on, 35 sec off

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW38102024 Time 0808	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0728	Start Purging						51.80		120	
0733	11.93	8.18	69	3.51	0.0	7.31	52.30			
0738	11.97	8.17	-205	4.75	0.0	7.20	52.75			
0743	11.96	8.15	-219	5.40	0.0	7.10	53.05			
0748	11.95	8.16	-215	5.07	0.0	7.16	53.25			
0753	11.92	8.17	-213	5.01	0.0	7.17	53.37			
0758	11.90	8.18	-211	5.01	0.0	7.13	53.44			
0803	11.87	8.18	-209	5.01	0.0	7.13	53.47	4.2		
0808	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/10/2024		3		40 mL VOA		HCl		8260		Eurofins
10/10/2024		2		250 mL Poly		Ice		9056		Eurofins
10/10/2024		1		250 mL Amber		Ice		8270		Eurofins
10/10/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/10/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/10/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/10/2024		1		500 mL Amber		Ice		8330		Eurofins
10/10/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____

Well Cap and casing condition
Fair



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW39D**
Date: 10/2/2024

Client: USACE (W912PP23R0023)
Project #: Eco-23-809 Sampling Personnel: MG, AH
Location: Fort Wingate Army Depot Casing Diameter: 2.5" Initial Depth-to-Water (ft): 42.75
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 100.5 Screen (ft): 70 to 100
Purging Date: 10/2/2024 Water Column (ft): 57.75 Midscreen (ft): 85
Sampling Date: 10/2/2024 Recommended Pump Settings: 40 psi, 6 sec on, 24 sec off
Purge Dry: No Field Pump Settings: 40 psi, 6 sec on, 24 sec off

Color of water: Clear	Odor: None	
Original Sample		Duplicate Sample
ID# TMW39D102024	Time 1200	MS/ MSD No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1125	Start Purging						42.75		140	
1130	15.32	8.34	-232	4.62	172	5.17	43.20			
1135	14.92	8.32	-240	4.30	187	4.82	43.23			
1140	14.70	8.33	-231	3.81	99.2	4.82	43.28			
1145	14.74	8.35	-214	3.75	16.0	4.64	43.30			
1150	14.65	8.35	-205	3.62	4.2	4.62	43.30			
1155	14.65	8.35	-208	3.62	0.9	4.67	43.30	4.2		
1200	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/2/2024		3		40 mL VOA		HCl		8260		Eurofins
10/2/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/2/2024		2		250 mL Poly		Ice		9056		Eurofins
10/2/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/2/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/2/2024		1		500 mL Amber		Ice		8330		Eurofins
10/2/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition: Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW41

Client: USACE (W912PP23R0023)

Date: 10/3/2024

Project # Eco-23-809

Sampling Personnel: OA, BB

Location: Fort Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 44.52

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

68

Screen (ft): 55.5 to 65.5

Purging Date: 10/3/2024

Water Column (ft):

23.48

Midscreen (ft): 60.5

Sampling Date: 10/4/2024

Recommended Pump Settings: 160 - 250 Hz

Purge Dry: Yes

Field Pump Settings: 160 - 220 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW41102024	Time	0930	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0940	Start Purging						44.52		0.6	160 Hz
0945	14.43	9.65	10	3.80	140	6.55	53.7			165 Hz
0950	14.81	8.70	46	3.71	44.2	6.36	57.0			170 Hz
0955	14.55	8.19	70	3.75	26.1	6.98	58.0			180 Hz
1000	14.44	8.05	80	3.89	49.7	7.06	60.0			
1005	14.45	7.84	90	3.84	57.9	6.31	63.4			
1010	14.82	7.78	128	3.85	151	5.79	Top of Pump			220 Hz
1011	Well Purged Dry							18		
10/4/2024										
0930	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/4/2024		3		40 mL VOA		HCl		8260		Eurofins
10/4/2024		2		250 mL Poly		Ice		9056		Eurofins
10/4/2024		1		250 mL Amber		Ice		8270		Eurofins
10/4/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/4/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/4/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/4/2024		1		500 mL Amber		Ice		8330		Eurofins
10/4/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW43**
Date: 10/8/2024

Client: USACE (W912PP23R0023)			Sampling Personnel: MG, AH		
Project # Eco-23-809		Location: Fort Wingate Army Depot			
Purging Method: BESST Low Flow		Casing Diameter: 2.5"		Initial Depth-to-Water (ft): 55.32	
Monitoring Method: Horiba U-52		Well Depth (ft): 78.5		Screen (ft): 58 to 78	
Purging Date: 10/8/2024		Water Column (ft): 23.18		Midscreen (ft): 68	
Sampling Date: 10/8/2024		Recommended Pump Settings: 40 psi, 10 sec on, 20 sec off			
Purge Dry: No		Field Pump Settings: 40 psi, 10 sec on, 20 sec off			

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW43102024 Time 1155	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1120	Start Purging						55.32		170	
1125	14.43	8.54	51	2.47	0.0	6.72	55.41			
1130	14.46	8.55	48	2.33	0.0	5.92	55.45			
1135	14.24	8.52	49	2.48	0.0	5.98	55.44			
1140	14.31	8.54	46	2.44	0.0	5.74	55.48			
1145	14.19	8.51	45	2.38	0.0	5.66	55.52			
1150	14.13	8.48	46	2.45	0.0	5.71	55.52	8.3		
1155	Collect Sample									
Sample Date		Number of Containers	Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory	
10/8/2024		3	40 mL VOA		HCl		8260		Eurofins	
10/8/2024		2	250 mL Poly		Ice		9056		Eurofins	
10/8/2024		1	250 mL Amber		Ice		8270		Eurofins	
10/8/2024		1	500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins	
10/8/2024		1	500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins	
10/8/2024		1	125 mL Poly		Ice		6850 / 6860		Eurofins	
10/8/2024		1	500 mL Amber		Ice		8330		Eurofins	
10/8/2024		1	1 Liter Amber		Ice		Spare		Eurofins	

Discharge water Evaporation Pit	Well Cap and casing condition Good
Comments:	



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW44

Client: USACE (W912PP23R0023)

Date: 9/30/2024

Project # Eco-23-809

Sampling Personnel: OA, BB

Location: Fort Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 54.00

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

66

Screen (ft): 46 to 66

Purging Date: 9/30/2024

Water Column (ft):

12.00

Midscreen (ft): 56

Sampling Date: 10/1/2024

Recommended Pump Settings: 160 - 200 Hz

Purge Dry: Yes

Field Pump Settings: 160 - 200 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW44102024	Time	0740	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1245	Start Purging						54.00		0.4	160 Hz
1248	19.83	6.04	66	3.29	52.0	4.50	56.00			
1251	17.94	6.81	102	3.26	93.8	6.07	56.60			
1254	18.12	6.44	131	3.29	37.6	7.45	56.90			
1257	18.39	6.23	148	3.31	30.6	7.17	57.10			
1300	18.21	6.03	158	3.30	35.0	7.20	58.10			165 Hz
1303	17.35	5.82	166	3.26	20.7	7.54	58.90			
1306	17.07	5.67	174	3.28	18.9	7.52	59.60			
1309	17.16	5.57	177	3.28	15.6	7.33	59.96			
1310	Well Purged Dry							10		200 Hz
10/1/2024										
0740	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/1/2024		3		40 mL VOA		HCl		8260		Eurofins
10/1/2024		2		250 mL Poly		Ice		9056		Eurofins
10/1/2024		1		250 mL Amber		Ice		8270		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/1/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/1/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW45**
Date: 10/8/2024

Client: USACE (W912PP23R0023)		
Project #	Eco-23-809	Sampling Personnel: OA, GN
Location: Fort Wingate Army Depot		Casing Diameter: 2.5" Initial Depth-to-Water (ft): 47.63
Purging Method: BESST Low Flow		
Monitoring Method: Horiba U-52	Well Depth (ft): 59	Screen (ft): 38.5 to 58.5
Purging Date: 10/8/2024	Water Column (ft): 11.37	Midscreen (ft): 48.5
Sampling Date: 10/8/2024	Recommended Pump Settings: 40 psi, 5 sec on, 55 sec off	
Purge Dry: No	Field Pump Settings: 40 psi, 5 sec on, 55 sec off	

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW45102024	Time	0830	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0755	Start Purging						47.63		150	
0800	11.78	9.83	-135	3.73	8.5	5.60	47.72			
0805	11.82	9.57	-124	3.73	7.9	5.05	47.78			
0810	11.72	8.15	-41	3.73	8.3	4.24	47.75			
0815	11.82	7.82	-9	3.72	7.8	6.70	47.75			
0820	11.93	7.67	16	3.72	7.8	6.36	47.78			
0825	12.05	7.58	20	3.72	7.1	6.99	47.78	4.5		
0830	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/8/2024		3		40 mL VOA		HCl		8260		Eurofins
10/8/2024		2		250 mL Poly		Ice		9056		Eurofins
10/8/2024		1		250 mL Amber		Ice		8270		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/8/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/8/2024		1		1 Liter Amber		Ice		Spare		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW46

Client: USACE (W912PP23R0023)

Date: 9/30/2024

Project # Eco-23-809

Sampling Personnel: OA, BB

Location: Fort Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 46.45

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

61

Screen (ft): 38.5 to 58.5

Purging Date: 9/30/2024

Water Column (ft):

14.55

Midscreen (ft): 48.5

Sampling Date: 10/1/2024

Recommended Pump Settings: 170 - 180 Hz

Purge Dry: Yes

Field Pump Settings: 160 - 180 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW46102024	Time	0830	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1347	Start Purging						46.45		0.8	160 Hz
1350	18.02	5.90	169	5.39	39.8	4.74	49.90			
1353	17.26	5.78	174	5.42	58.9	4.48	51.30			
1356	17.00	5.69	174	5.48	59.4	4.06	52.40			
1359	17.15	4.90	198	4.69	61.2	4.14	53.40			
1402	16.83	5.36	181	5.52	35.4	6.99	53.80			
1405	17.10	5.30	181	5.51	28.1	6.93	54.10			
1406	Well Purged Dry							15		180 Hz
10/1/2024										
0830	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/1/2024		3		40 mL VOA		HCl		8260		Eurofins
10/1/2024		1		250 mL Amber		Ice		8270		Eurofins
10/1/2024		2		250 mL Poly		Ice		9056		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/1/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/1/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/1/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/1/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW48**
Date: 10/1/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: OA, BB
Location: Fort Wingate Army Depot Casing Diameter: 2.5" Initial Depth-to-Water (ft): 43.90
Purging Method: BESST Low Flow
Monitoring Method: Horiba U-52 Well Depth (ft): 91 Screen (ft): 71 to 91
Purging Date: 10/1/2024 Water Column (ft): 47.10 Midscreen (ft): 81
Sampling Date: 10/1/2024 Recommended Pump Settings: 40 psi, 7 sec on, 10 sec off
Purge Dry: No Field Pump Settings: 40 psi, 7 sec on, 5 sec off

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW48102024 Time 1325	ID# -- Time --	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1250	Start Purging						43.90		200	
1255	18.13	6.52	168	3.04	6.8	4.60	43.92			
1300	15.75	6.14	194	3.10	5.9	4.00	43.92			
1305	15.25	5.88	211	3.04	5.4	6.60	43.92			
1310	14.84	5.76	220	3.02	5.2	6.40	43.92			
1315	14.82	5.80	220	3.01	5.1	6.06	43.92			
1320	14.80	5.81	221	2.99	5.1	6.84	43.92	6		
1325	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/1/2024		3		40 mL VOA		HCl		8260		Eurofins
10/1/2024		2		250 mL Poly		Ice		9056		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/1/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/1/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/1/2024		1		500 mL Amber		Ice		8330		Eurofins
10/1/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition
Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW49

Client: USACE (W912PP23R0023)

Date: 10/7/2024

Project # Eco-23-809

Sampling Personnel: MG, AH

Location: Fort Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 51.69

Purging Method: BESST Low Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 60.5 Screen (ft): 40 to 60

Purging Date: 10/7/2024

Water Column (ft): 8.81 Midscreen (ft): 50

Sampling Date: 10/7/2024

Recommended Pump Settings: 35 psi, 3 sec on, 57 sec off

Purge Dry: No

Field Pump Settings: 35 psi, 3 sec on, 57 sec off

Color of water: Clear	Odor: None	
Original Sample	Duplicate Sample	MS/ MSD
ID# TMW49102024 Time 1400	ID# -- Time --	Yes No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
1310	Start Purging						51.69		130	
1315	24.10	8.82	-2	3.17	12.3	6.64	51.80			
1320	20.80	8.75	-85	4.06	16.3	5.42	51.90			
1325	19.94	8.75	-130	4.50	29.6	5.00	52.00			
1330	17.53	8.92	-22	4.22	27.2	5.62	52.10			
1335	15.43	8.77	-66	4.18	10.7	5.88	52.12			
1340	14.89	8.79	-73	3.88	3.8	5.59	52.11			
1345	14.54	8.79	-62	3.56	0.0	5.50	52.15			
1350	14.49	8.78	-58	3.56	0.0	5.37	52.12			
1355	14.71	8.78	-50	3.54	0.0	5.34	52.11	5.7		
1400	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/7/2024		3		40 mL VOA		HCl		8260		Eurofins
10/7/2024		2		250 mL Poly		Ice		9056		Eurofins
10/7/2024		1		250 mL Amber		Ice		8270		Eurofins
10/7/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/7/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/7/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/7/2024		1		500 mL Amber		Ice		8330		Eurofins
10/7/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW53**
Date: 10/6/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: RS, GP
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 53.55
Purging Method: Grundfos Submersible Pump
Monitoring Method: Horiba U-52 Well Depth (ft): 120 Screen (ft): 107 to 117
Purging Date: 10/6/2024 Water Column (ft): 66.45 Midscreen (ft): 112
Sampling Date: 10/7/2024 Recommended Pump Settings: 220 - Maximum Hz
Purge Dry: Yes Field Pump Settings: 190 - 270 Hz

Color of water: Opaque				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW53102024	Time	0940	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1155	Start Purging						53.35		0.5	190 Hz
1200	18.92	9.03	-85	1.30	686	4.25	68.90			210 Hz
1205	20.31	8.55	-128	0.616	412	5.57	76.90			220 Hz
1210	18.02	8.43	-117	1.29	287	0.23	104.25			240 Hz
1215	18.19	8.39	-100	1.30	278	0.40	110.25			270 Hz
1220	Well Purged Dry							12		
10/7/2024										
0940	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/7/2024		3		40 mL VOA		HCl		8260		Eurofins
10/7/2024		1		250 mL Amber		Ice		8270		Eurofins
10/7/2024		2		250 mL Poly		Ice		9056		Eurofins
10/7/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/7/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/7/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/7/2024		1		500 mL Amber		Ice		8330		Eurofins
10/7/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/7/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/7/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____

Well Cap and casing condition
Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW55

Client: USACE (W912PP23R0023)

Date: 10/3/2024

Project # Eco-23-809

Sampling Personnel: OA, BB

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 52.10

Purging Method: Grundfos Submersible Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

121

Screen (ft): 101 to 121

Purging Date: 10/3/2024

Water Column (ft):

68.90

Midscreen (ft): 111

Sampling Date: 10/4/2024

Recommended Pump Settings: 180 - 300 Hz

Purge Dry: Yes

Field Pump Settings: 170 - 300 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW55102024	Time	0830	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0825	Start Purging						52.10		0.6	170 - 175 Hz
0830	12.13	9.95	1	2.65	82.4	5.95	65.00			190 Hz
0835	13.05	9.21	25	2.61	83.1	6.03	75.00			200 Hz
0840	13.80	8.95	41	2.60	46.6	7.11	80.00			210 Hz
0845	14.45	8.79	56	2.59	28.6	7.02	93.00			230 Hz
0850	14.87	8.74	64	2.60	24.2	7.22	99.00			
0855	14.97	8.47	80	2.59	80.9	6.65	105.00			
0905	Well Purged Dry							23		300 Hz
10/4/2024										
0830	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/4/2024		3		40 mL VOA		HCl		8260		Eurofins
10/4/2024		1		250 mL Amber		Ice		8270		Eurofins
10/4/2024		2		250 mL Poly		Ice		9056		Eurofins
10/4/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/4/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/4/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/4/2024		1		500 mL Amber		Ice		8330		Eurofins
10/4/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/4/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/4/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW58

Client: USACE (W912PP23R0023)

Date: 9/29/2024

Project # Eco-23-809

Sampling Personnel: OA, BB

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 41.02

Purging Method: Reclaimer Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

188

Screen (ft): 145 to 185

Purging Date: 9/29/2024

Water Column (ft):

146.98

Midscreen (ft): 165

Sampling Date: 9/30/2024

Recommended Pump Settings: 100 - 130 psi

Purge Dry: Yes

Field Pump Settings: 100 psi, Fill: 30 sec, Discharge: 45 sec

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW58102024	Time	1020	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1235	Start Purging						41.02		1.25	100 psi
1240	17.91	7.23	-120	3.53	433	4.60	56.00			
1245	16.65	7.11	-112	2.69	190	4.53	67.00			
1250	16.70	7.08	-52	2.57	120	4.29	86.00			
1255	15.80	7.13	-4	2.57	96	4.45	92.00			
1300	16.15	7.20	-9	2.57	93	4.36	108.00			
1305	15.01	7.15	-37	2.57	90	4.23	116.00			
1410	Well Purged Dry							45		130 psi
9/30/2024										
1020	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
9/30/2024		3		40 mL VOA		HCl		8260		Eurofins
9/30/2024		1		250 mL Amber		Ice		8270		Eurofins
9/30/2024		2		250 mL Poly		Ice		9056		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
9/30/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
9/30/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
9/30/2024		1		500 mL Amber		Ice		8330		Eurofins
9/30/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
9/30/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
9/30/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW62**
Date: 10/3/2024

Client: USACE (W912PP23R0023)
Project # Eco-23-809 Sampling Personnel: OA, BB
Location: Fort Wingate Army Depot Casing Diameter: 2" Initial Depth-to-Water (ft): 51.00
Purging Method: Grundfos Submersible Pump
Monitoring Method: Horiba U-52 Well Depth (ft): 64 Screen (ft): 40 to 60
Purging Date: 10/3/2024 Water Column (ft): 13.00 Midscreen (ft): 50
Sampling Date: 10/4/2024 Recommended Pump Settings: 170 - 190 Hz
Purge Dry: Yes Field Pump Settings: 160 - 175 Hz

Color of water: Clear				Odor: None				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW62102024	Time	0730	ID#	--	Time	--	No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0734	Start Purging						51.00		0.5	160 Hz
0737	13.38	9.67	-4	3.08	70.6	7.22	55.00			165 Hz
0740	12.72	8.86	5	3.11	190	6.17	57.00			170 Hz
0743	12.95	8.76	7	3.10	152	7.50	60.00			
0746	13.13	8.50	18	3.15	124	6.43	Top of Pump			175 Hz
0747	Well Purged Dry							6		
10/4/2024										
0730	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/4/2024		3		40 mL VOA		HCl		8260		Eurofins
10/4/2024		1		250 mL Amber		Ice		8270		Eurofins
10/4/2024		2		250 mL Poly		Ice		9056		Eurofins
10/4/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/4/2024		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/4/2024		1		125 mL Poly		Ice		6850 / 6860		Eurofins
10/4/2024		1		500 mL Amber		Ice		8330		Eurofins
10/4/2024		3		40 mL VOA		HCl		8015B GRO		Eurofins
10/4/2024		1		1 Liter Amber		Ice		8015B DRO		Eurofins
10/4/2024		1		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit
Comments: _____
Well Cap and casing condition
Good



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

TMW63

Client: USACE (W912PP23R0023)

Date: 10/2/2024

Project # Eco-23-809

Sampling Personnel: OA, BB

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 35.26

Purging Method: Reclaimer Pump

Monitoring Method: Horiba U-52

Well Depth (ft):

180

Screen (ft): 140 to 180

Purging Date: 10/2/2024

Water Column (ft):

144.74

Midscreen (ft): 160

Sampling Date: 10/2/2024

Recommended Pump Settings: 100 psi, 30 sec fill, 45 sec discharge

Purge Dry: No

Field Pump Settings: 100 psi, Fill: 30 sec, Discharge: 45 sec

Color of water: Clear				Odor: Yes				
Original Sample				Duplicate Sample			MS/ MSD	
ID#	TMW63102024	Time	1245	ID#	--	Time	--	Yes

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0825	Start Purging						35.26		0.7	100 psi
0855	15.48	7.96	-55	2.80	40.3	6.70	68.60			
0925	16.00	7.40	-59	2.76	29.7	4.35	76.00			
0955	16.58	5.58	91	2.76	32.7	4.72	82.70			
1025	16.32	7.32	-23	2.78	50.7	4.10	81.00			
1055	16.10	7.01	-15	2.79	136.0	6.66	82.00			
1125	17.76	4.15	161	2.75	32.5	4.35	82.00			
1155	17.55	6.98	15	2.72	21.8	3.59	83.00			
1225	18.41	6.86	31	2.71	22.2	4.22	89.00	160		
1245	Collect Sample									
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
10/2/2024		9		40 mL VOA		HCl		8260		Eurofins
10/2/2024		3		250 mL Amber		Ice		8270		Eurofins
10/2/2024		6		250 mL Poly		Ice		9056		Eurofins
10/2/2024		3		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
10/2/2024		3		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
10/2/2024		3		125 mL Poly		Ice		6850 / 6860		Eurofins
10/2/2024		3		500 mL Amber		Ice		8330		Eurofins
10/2/2024		9		40 mL VOA		HCl		8015B GRO		Eurofins
10/2/2024		3		1 Liter Amber		Ice		8015B DRO		Eurofins
10/2/2024		3		1 Liter Amber		Ice		Spare		Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good

