


APPENDIX B

Groundwater Sampling Field Data Sheets and Chain of Custody Forms

	PROJECT NUMBER 496810.01.14.01	WELL ID BGMW03	LOCATION Northern Area Alluvial
<h2 style="margin: 0;">GROUNDWATER SAMPLING FIELD DATA SHEET</h2> <h3 style="margin: 0;">FORT WINGATE DEPOT ACTIVITY</h3>			

LOCATION DESCRIPTION:	South of I-40; inside fence perimeter to W of Navajo Blvd.
WEATHER (wind/temp/ppt):	Overcast/40s
OTHER NOTABLE FIELD CONDITIONS:	

INITIAL DEPTH TO WATER:	PURGE VOLUME CALCULATION:	TOTAL DEPTH OF WELL:	SCREENED INTERVAL:	RECOMMENDED PUMP SETTINGS
17.09 ft btoc	12.17 gal	30.9 ft	8.5-28.5 ft	Bail dry with grundfos
METHOD OF PURGING: Casing volume / grundfos		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information


Date 10/29/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0909	0.00	10.32	6.53	3.32	120	1.43	17.4	216	clear, no odor
0910	1.00	11.60	7.37	3.36	146	0.55	19.65	186	
0911	3.00	12.14	7.48	3.37	171	1.61	20.95	170	
0913	4.00	12.80	7.48	3.31	140	0.43	22.8	164	
0914	4.50	13.00	7.53	3.30	167	0.83	24.9	158	
0915	5.00	13.26	7.60	3.27	226	0.92	27.15	152	
0916	Dry	-	-	-	-	-	-	-	
10/30/2015									
1230	-	11.62	7.91	3.05	40.5	6.00	17.4	189	Collect sample

Sample Information


SAMPLE DATE: 10/30/2015	SAMPLE TYPE: <u>grab</u> composite	SAMPLE MATRIX: Groundwater
SAMPLING PERSONNEL: D. Larsen		
SAMPLING METHOD: hand bail	SAMPLE TEMP/pH/EC/TURB/DO: See last measurement	
SAMPLE ID(s): BGMW03102015	DUPLICATE/BLANK SAMPLE ID(s):	
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):		

Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory	
BGMW03102015	1230	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver
		2 1-L Amber glass	ice	EPA 8270D	SVOCs	Test America-Denver
		2 500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver
		1 500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver
		2 1-L Amber glass	ice	EPA 8081A	Pesticides	Test America-Denver
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver
1 500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver		

Initials of sampling personnel DL

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.14.01		WELL ID MW01		LOCATION Northern Area Alluvial					
	GROUNDWATER SAMPLING FIELD DATA SHEET									
	FORT WINGATE DEPOT ACTIVITY									
LOCATION DESCRIPTION:										
WEATHER (wind/temp/ppt): sunny/warm/dry/very windy/50F										
OTHER NOTABLE FIELD CONDITIONS:										
INITIAL DEPTH TO WATER:	PURGE VOLUME CALCULATION:	TOTAL DEPTH OF WELL:	SCREENED INTERVAL:	RECOMMENDED PUMP SETTINGS						
42.83 ft btoc	10.55 gal	54.80 ft btoc	34-54 ft btoc	HAND BAIL						
METHOD OF PURGING:	Casing volume / bailer		INITIAL ORGANIC VAPOR METER READINGS: N/A				ACTUAL FIELD PUMP SETTINGS			
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 10/27/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
1358	-	15.64	7.57	3.15	8.5	1.98	42.74	196	used the Horiba meter to read NTU	
1401	-	15.20	7.53	3.26	30.4	8.80	-	198		
1405	-	14.97	7.60	3.28	72	1.51	-	191		
1419	-	14.86	7.64	3.29	480	2.27	-	191		
1419	-	14.86	7.79	3.23	0.0	7.09	-	192		
10/28/2015										
1235	-	14.49	7.62	3.28	108	5.40	42.82	209		
1300	-	14.56	7.73	3.34	659	5.66	-	179		
10/29/2015										
1010	-	12.05	7.34	3.390	70	4.01	42.68	-		
Sample Information										
SAMPLE DATE: 10/28/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL D. Larsen/ C. W-Vernon										
SAMPLING METHOD: hand bail				SAMPLE TEMP/pH/EC/TURB/DO: See last measurement						
SAMPLE ID(s): MW01102015				DUPLICATE/BLANK SAMPLE ID(s):						
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
Sample ID	Sample Time	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
MW01102015	1300	3	40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
		3	40-ml glass VOA	HCl	EPA 8015C	TPH-GRO	Test America-Denver			
		2	1-L Amber glass	ice	EPA 8015C	TPH-DRO	Test America-Denver			
		2	500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver			
		1	500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1	125-ml Poly w/Syringe	ice	Field Filter	EPA 6860	Perchlorate	Test America-Denver		
		1	500-ml Poly		HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver		
		1	500-ml Poly		HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver		
2	1-L Amber glass		ice	8081A	Pesticides	Test America-Denver				

Initials of sampling personnel DL?CWV

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.14.01		WELL ID MW02		LOCATION Northern Area Alluvial					
	GROUNDWATER SAMPLING FIELD DATA SHEET									
	FORT WINGATE DEPOT ACTIVITY									
	LOCATION DESCRIPTION: Flush Mount to the East of car port									
WEATHER (wind/temp/ppt): windy/sunny/warm 50F/dry										
OTHER NOTABLE FIELD CONDITIONS:										
INITIAL DEPTH TO WATER: 40.95 ft btoc		PURGE VOLUME CALCULATION: 7.49 gal		TOTAL DEPTH OF WELL: 49.45 ft btoc		SCREENED INTERVAL: 39.5-49.5 ft btoc		RECOMMENDED PUMP SETTINGS HAND BAIL		
METHOD OF PURGING: Casing volume / bailer				INITIAL ORGANIC VAPOR METER READINGS: N/A				ACTUAL FIELD PUMP SETTINGS		
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 10/27/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
1303	-	16.06	7.20	1.76	85.3	5.29	40.93	225	used the Horiba meter to read NTU	
1314	-	15.46	7.20	2.01	799	2.56	-	220		
1348	-	17.28	7.28	1.90	372	8.46	-	211		
10/28/2015										
1128	-	13.34	6.90	1.86	23.6	4.28	41.28	173		
10/29/2015										
0950	-	12.61	7.12	2.01	42.6	2.50	41.14	218		
Sample Information										
SAMPLE DATE: 10/28/2015		SAMPLE TYPE: grab composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: D. Larsen/ C. W-Vernon										
SAMPLING METHOD: hand bail				SAMPLE TEMP/pH/EC/TURB/DO: See last measurement						
SAMPLE ID(s): MW02102015					DUPLICATE/BLANK SAMPLE ID(s):					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory				
MW02102015	1128	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver				
		3 40-ml glass VOA	HCl	EPA 8015C	TPH-GRO	Test America-Denver				
		2 1-L Amber glass	ice	EPA 8015C	TPH-DRO	Test America-Denver				
		2 500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver				
		1 500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver				
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver				
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver				
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver				
2 1-L Amber glass	ice	8081A	Pesticides	Test America-Denver						

Initials of sampling personnel DL/CWV



Sundance Consulting Inc.

PROJECT NUMBER 496810.01.14.01	WELL ID MW03	LOCATION Northern Area Alluvial
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GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY

LOCATION DESCRIPTION: stick-up North of tennis court admin area
 WEATHER (wind/temp/ppt): raining/light drizzle
 OTHER NOTABLE FIELD CONDITIONS: brush has grown up near well

INITIAL DEPTH TO WATER: 46.51 ft btoc	PURGE VOLUME CALCULATION: 2.85 gal	TOTAL DEPTH OF WELL: 55.11 ft btoc	SCREENED INTERVAL: 45.1-55.1 ft btoc	RECOMMENDED PUMP SETTINGS 40psi, 6 sec on, 50 sec off, 110 mL/min
METHOD OF PURGING: BESST Low-Flow		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information


Date 10/30/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0835	1.36	10.75	7.11	4.36	0.50	0.77	46.75	13	Begin purging at 0830
0840	2.72	10.84	7.12	4.32	0.00	0.56	46.75	20	272 ml/m
0845	4.08	10.87	7.12	4.27	0.00	0.48	46.75	26	1.36L/5 min
0850	5.44	10.83	7.12	4.23	0.00	0.38	46.75	35	
0855	6.80	10.88	7.12	4.21	0.00	0.38	46.75	38	
0900	8.16	10.07	7.12	4.21	0.00	0.37	46.75	40	
0905	9.52	11.00	7.12	4.17	0.00	0.36	46.75	41	sample
						Final DTW	46.8		

Sample Information


SAMPLE DATE: 10/30/2015 SAMPLE TYPE: grab composite SAMPLE MATRIX: Groundwater
 SAMPLING PERSONNEL R. Hobbs
 SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump SAMPLE TEMP/pH/EC/TURB/DO: See last measurement
 SAMPLE ID(s): MW03102015 DUPLICATE/BLANK SAMPLE ID(s):
 NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory	
MW0310205	0910	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver
		3 40-ml glass VOA	HCl	EPA 8015C	TPH-GRO	Test America-Denver
		2 1-L Amber glass	ice	EPA 8015C	TPH-DRO	Test America-Denver
		2 500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver
		1 500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver

Initials of sampling personnel RH

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.14.01	WELL ID MW18D	LOCATION Northern Area Alluvial						
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
LOCATION DESCRIPTION: South of well TMW33									
WEATHER (wind/temp/ppt): calm/45F/cloudy									
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER:	PURGE VOLUME CALCULATION:	TOTAL DEPTH OF WELL:	SCREENED INTERVAL:	RECOMMENDED PUMP SETTINGS					
43.71 ft btoc	4.8 gal	59.9 ft btoc	49.3-59.3 ft btoc	6 sec on, 54 off, 30psi, 40 mL/min					
METHOD OF PURGING:	BESST Low-Flow	INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS					
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank									
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 10/30/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1118	1.00	9.28	7.05	7.56	373	7.01	50.0	-66	clear, no odor
1119	2	12.46	7.46	7.85	130	0.91	52.7	-90	
1120	3	13.23	7.51	7.85	148	0.92	55.0	-95	
1121	4	14.24	7.49	7.91	677	0.50	-	-80	
11/2/2015									
1224	-	14.82	7.51	0.42	<1000	0.14	-	-93	
Sample Information									
SAMPLE DATE: 11/2/2015		SAMPLE TYPE: <u>grab</u> composite		SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: L. Hill/ S. Weggeser									
SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump		SAMPLE TEMP/pH/EC/TURB/DO: See last measurement							
SAMPLE ID(s): MW18D102015		DUPLICATE/BLANK SAMPLE ID(s):							
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory				
MW18D102015	1230	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
		3 40-ml glass VOA	HCl	EPA 8015C	TPH-GRO	Test America-Denver			
		2 1-L Amber glass	ice	EPA 8015C	TPH-DRO	Test America-Denver			
		2 500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver			
		1 500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver			
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver			
1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver					


Initials of sampling personnel LH/SW

 <p>Sundance Consulting Inc.</p>	PROJECT NUMBER 496810.01.14.01	WELL ID MW20	LOCATION Northern Area Alluvial							
	GROUNDWATER SAMPLING FIELD DATA SHEET									
	FORT WINGATE DEPOT ACTIVITY									
LOCATION DESCRIPTION: Southwest of MW18 S&D										
WEATHER (wind/temp/ppt): Clear/breezy/high 30sF										
OTHER NOTABLE FIELD CONDITIONS:										
INITIAL DEPTH TO WATER:	PURGE VOLUME CALCULATION:	TOTAL DEPTH OF WELL:	SCREENED INTERVAL:	RECOMMENDED PUMP SETTINGS						
45.56 ft btoc	4.07 gal	59.40 ft btoc	48.9-58.9 ft btoc	40 psi, 6 sec on, 54 off, 100 mL/min						
METHOD OF PURGING:	BESST Low-Flow	INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS						
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 11/2/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
1007	1.35	13.69	6.70	14.1	5.4	9.14	46.18	184	began purging @ 1002	
1012	0.78	13.89	6.75	14.0	1.1	8.59	46.16	170	0.27 L/m	
1017	4.05	14.08	6.76	13.9	0.0	8.10	46.16	165	1.35 L/5 m	
1022	5.40	14.24	6.77	13.8	0.0	7.71	46.16	163		
1027	6.75	14.37	6.79	13.8	0.0	7.34	46.16	162	Sample	
Sample Information										
SAMPLE DATE: 11/2/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: R. Hobbs/ J. Nance										
SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump				SAMPLE TEMP/pH/EC/TURB/DO: See last measurement						
SAMPLE ID(s): MW20102015					DUPLICATE/BLANK SAMPLE ID(s): DMW20102015					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):					MW20102015MS					
					MW20102015MSD					
Sample ID	Sample Time	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
MW20102015	1030	3	40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
DMW20102015		3	40-ml glass VOA	HCl	EPA 8015C	TPH-GRO	Test America-Denver			
MW20102015MS		2	1-L Amber glass	ice	EPA 8015C	TPH-DRO	Test America-Denver			
MW20102015MSD		2	500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver			
		1	500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1	125-ml Poly w/Syringe	ice	Field Filter	EPA 6860	Perchlorate	Test America-Denver		
		1	500-ml Poly		HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver		
		1	500-ml Poly		HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver		
		2	1-L Amber glass	ice		8270D	SVOC	Test America-Denver		
		2	1-L Amber glass	ice		8081A	Pesticides	Test America-Denver		
	3	40-ml glass VOA		HCl	EPA8011	EDB	Test America-Denver			

Initials of sampling personnel RH/JN

<p>Sundance Consulting Inc.</p>	PROJECT NUMBER 496810.01.14.01		WELL ID MW22S		LOCATION Northern Area Alluvial					
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY									
	LOCATION DESCRIPTION: West of Bldg. 5									
	WEATHER (wind/temp/ppt): sunny/warm/dry/windy OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 42.53 ft btoc		PURGE VOLUME CALCULATION: 0.89 gal		TOTAL DEPTH OF WELL: 43.5 ft btoc		SCREENED INTERVAL: 31 - 41 ft btoc		RECOMMENDED PUMP SETTINGS HAND BAIL		
METHOD OF PURGING: Casing volume / bailer				INITIAL ORGANIC VAPOR METER READINGS: 0.0 ppm			ACTUAL FIELD PUMP SETTINGS			
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 10/27/2015 Time	Total volume (gal)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
1242		16.19	7.33	3.35	0.0	8.68	42.5	216	only 700 mL	
10/28/2015									used the Horiba meter to read NTU	
0903		11.87	6.57	3.50	0.0	3.86	42.55	114	partial	
10/29/2015										
0911		11.81	7.18	3.51	0.0	4.6	42.4	179	partial	
10/30/2015										
0802		11.67	6.29	3.67	0.0	3.92	42.33	213	partial	
11/2/2015										
1115		15.79	7.25	3.63	0.0	4.35	42.52	212	partial	
11/3/2015										
0741		12.43	6.31	3.64	0.0	7.43	42.43	153	partial	
11/4/2015										
0810		11.16	6.39	3.49	0.0	7.86	42.42	176	complete	
Sample Information										
SAMPLE DATE: 11/4/2015		SAMPLE TYPE: grab composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: C. W-Vernon/D. Larsen										
SAMPLING METHOD: hand bail					SAMPLE TEMP/pH/EC/TURB/DO: See last measurement					
SAMPLE ID(s): MW22S102015					DUPLICATE/BLANK SAMPLE ID(s):					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.): Need to recommend that this well be considered dry										
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method			Laboratory			
MW22S102015	0903	3 40-ml glass VOA	HCl	EPA8260C	VOCs		Test America-Denver			
		3 40-ml glass VOA	HCl	EPA 8015C	TPH-GRO		Test America-Denver			
		2 1-L Amber glass	ice	EPA 8015C	TPH-DRO		Test America-Denver			
		2 500-ml Amber glass	ice	EPA 8330B	Explosives		Test America-Denver			
		1 500-ml Poly	ice	EPA 9056	NO2/NO3		Test America-Denver			
		1 125-ml Poly w/Syringe	ice	Field Filter	EPA 6860	Perchlorate		Test America-Denver		
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals		Test America-Denver			
		1 500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals		Test America-Denver			
		2 1-L Amber glass	ice	8270D	SVOC		Test America-Denver			
		2 1-L Amber glass	ice	8081A	Pesticides		Test America-Denver			

Initials of sampling personnel CW/DL

 <p>Sundance Consulting Inc.</p>	PROJECT NUMBER 496810.01.14.01	WELL ID MW23	LOCATION Northern Area Alluvial							
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY									
	LOCATION DESCRIPTION: East, past wash, south of I-40 (~50 meters)									
	WEATHER (wind/temp/ppt): Cold - 30sF/snowy OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 15.12 ft btoc	PURGE VOLUME CALCULATION: 104.78 gal	TOTAL DEPTH OF WELL 134 ft	SCREENED INTERVAL: 65.5-135.5 ft							
METHOD OF PURGING: Casing volume / Bennett		INITIAL ORGANIC VAPOR METER READINGS: N/A								
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank		RECOMMENDED PUMP SETTINGS 50-70 psi, 1gpm								
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 11/5/2015 Time	Total volume (gallons)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
0915	5.28	9.54	6.72	1.91	14.8	2.93	35.87	-140	0910 begin purging @ 4L/m	
1925	15.84	11.20	6.54	1.85	9.6	1.50	74.7	-157		
0935	26.40	11.12	6.47	1.85	10.6	1.36	100+	-155	5.28 G/5min	
0945	36.96	11.09	6.35	1.86	56.7	1.29	100+	-157		
0955	47.52	11.08	6.42	1.85	232	1.22	100+	-159		
1000	52.80	11.12	6.54	1.88	244	1.2	100+	-162		
1010	63.36	11.23	6.60	1.91	130	1.17	100+	-135		
1017	-	-	-	-	-	-	-	-	well dry @ 1017	
1220	65.44	11.24	6.58	1.83	10.6	3.61	59.73	11		
1230	75.91	11.16	6.27	1.84	14.1	1.89	100+	12	1218 begin purging again	
1240	86.38	11.14	6.29	1.83	37.6	3.15	100+	23	1.04 GPM	
1250	96.85	11.14	6.30	1.83	61.7	2.79	100+	29	10.47 G/10m	
11/6/2015										
0730	102.35	11.02	6.56	1.84	27.50	1.29	25.5	144	11/16/15 begin purging @ 0725	
0740	113.43	10.97	6.30	1.83	26.90	0.73	74.13	129		
0750	124.51	11.00	6.32	1.81	1.58	1.22	100+	-19	4.2 L/m	
0800	135.59	11.00	6.37	1.83	104	1.46	100+	-14	1.1 GPM	
0810	146.67	11.00	6.35	1.81	1.84	1.15	100+	-8	11.08 G/10 min	
0820	157.75	11.02	6.50	1.82	94.80	4.13	100+	34		
0830	168.83	10.91	6.80	1.83	71.80	1.87	100+	64		
Sample Information										
SAMPLE DATE: 11/6/2015		SAMPLE TYPE: grab composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL J. Nance/R. Hobbs										
SAMPLING METHOD: Dedicated Bennett Pump					SAMPLE TEMP/pH/EC/TURB/DO: See 08:10 measurement					
SAMPLE ID(s): MW23102015					DUPLICATE/BLANK SAMPLE ID(s): DMW23102015					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
					MW23102015MS					
					MW23102015MSD					
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory					
MW23102015	0835	3 40-ml glass VOA	HCl	EPA8260C	VOCs Test America-Denver					
DMW23102015		2 1-L Amber glass	ice	EPA 8270D	SVOCs Test America-Denver					
MW23102015MS		2 500-ml Amber glass	ice	EPA 8330B	Explosives Test America-Denver					
MW23102015MSD		1 500-ml Poly	ice	EPA 9056	NO2/NO3 Test America-Denver					
		1 125-ml Poly w/Syringe	ice	Field Filter	EPA 6860	Perchlorate Test America-Denver				
		2 1-L Amber glass	ice		EPA 8081A	Pesticides Test America-Denver				
		1 500-ml Poly		HNO3	6010C/6020A/7470A	Tot. Metals Test America-Denver				
		1 500-ml Poly		HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals Test America-Denver				

Initials of sampling personnel JN/RH



Sundance
Consulting Inc.

PROJECT NUMBER
496810.01.14.01

WELL ID
MW24

LOCATION
Northern Area Alluvial

GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY

LOCATION DESCRIPTION: ~50' South of north boundary fence, 25' north of large rock

WEATHER (wind/temp/ppt): 30's/snow on ground

OTHER NOTABLE FIELD CONDITIONS:

INITIAL DEPTH TO WATER: 21.53 ft btoc	PURGE VOLUME CALCULATION: 41.40 gal	TOTAL DEPTH OF WELL: 68.5 ft btoc	SCREENED INTERVAL: 19 - 69 ft btoc	RECOMMENDED PUMP SETTINGS 50 psi, 2gpm
METHOD OF PURGING: Casing volume / Bennett		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information


Date 11/5/2015	Total volume (gallons)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1045	5.90	10.74	6.13	1.25	13.2	2.26	27.27	-126	1040 begin purging
1055	17.72	10.75	6.09	1.41	24.5	1.35	30.35	-130	1.18 GPM
1105	29.54	10.72	6.05	1.28	40.3	0.82	31.17	-134	11.82 G/10m
1115	41.36	10.73	6.08	1.28	44.2	0.72	31.79	-138	
1125	53.18	10.74	6.10	1.26	7.2	0.65	32.33	-139	
1135	65.00	10.73	6.09	1.24	5.8	0.94	33.61	-140	sample

Sample Information

SAMPLE DATE:	11/5/2015	SAMPLE TYPE:	grab composite	SAMPLE MATRIX:	Groundwater
SAMPLING PERSONNEL: R. Hobbs/ J. Nance					
SAMPLING METHOD: Dedicated Bennett Pump			SAMPLE TEMP/pH/EC/TURB/DO: See last measurement		
SAMPLE ID(s): MW24102015			DUPLICATE/BLANK SAMPLE ID(s):		
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):					

Sample ID	Sample Time	Sample Containers		Preservatives	Analytical Method	Laboratory	
		No.	Volume/Type	(ice, acids, bases, others)			
MW24042015	1140	3	40-ml glass VOA	HCl	EPA8260C	VOCs Test America-Denver	
		2	1-L Amber glass	ice	EPA 8270D	SVOCs Test America-Denver	
		2	500-ml Amber glass	ice	EPA 8330B	Explosives Test America-Denver	
		1	500-ml Poly	ice	EPA 9056	NO2/NO3 Test America-Denver	
		1	125-ml Poly w/Syringe	ice	Field Filter	EPA 6860	Perchlorate Test America-Denver
		2	1-L Amber glass	ice		EPA 8081A	Pesticides Test America-Denver
		1	500-ml Poly		HNO3	6010C/6020A/7470A	Tot. Metals Test America-Denver
		1	500-ml Poly		HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals Test America-Denver

Initials of sampling personnel RH



Sundance
Consulting Inc.

PROJECT NUMBER 496810.01.14.01	WELL ID SMW01	LOCATION Northern Area Alluvial
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GROUNDWATER SAMPLING FIELD DATA SHEET

FORT WINGATE DEPOT ACTIVITY

LOCATION DESCRIPTION: North of STP

WEATHER (wind/temp/ppt): Light breeze/ 50F/ Dry

OTHER NOTABLE FIELD CONDITIONS:

INITIAL DEPTH TO WATER: 31.45 ft btoc	PURGE VOLUME CALCULATION: 6.08 gal	TOTAL DEPTH OF WELL: 52.15 ft btoc	SCREENED INTERVAL: 32.1-52.1 ft btoc	RECOMMENDED PUMP SETTINGS 40 psi 5 sec on 55 sec off, 130 mL/min
METHOD OF PURGING: BESST Low-Flow	INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS 35 psi, 5 sec on, 65 sec off, 513 mL/min	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				MONITORING EQUIPMENT USED: Horiba U-52

Well Purging Information

Date 11/3/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0825	0.250	11.22	7.56	3.15	0.95	1.85	32.01	-70	51.3 mL/m
0830	0.50	11.54	7.60	3.13	0.62	1.49	32.06	-66	
0835	0.75	11.80	7.61	3.12	0.00	1.32	32.06	-60	
0840	1.00	12.15	7.61	3.11	0.00	1.14	32.06	-51	
0845	1.25	12.27	7.62	3.10	0.00	1.03	32.07	-44	
0850	1.50	12.31	7.62	3.10	0.00	0.85	32.07	-41	
0855	1.75	12.38	7.62	3.10	0.00	0.83	32.07	-35	stable
0900	2.00	12.45	7.63	3.10	0.00	0.78	32.07	-32	sample @ 0910

Sample Information

SAMPLE DATE: 11/3/2015 SAMPLE TYPE: grab composite SAMPLE MATRIX: Groundwater

SAMPLING PERSONNEL: R. Hobbs/ J. Nance


SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump SAMPLE TEMP/pH/EC/TURB/DO: See last measurement

SAMPLE ID(s): SMW01102015 DUPLICATE/BLANK SAMPLE ID(s):

NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory
SMW01102015	0910	3 40-ml glass VOA	HCl	EPA8260C	VOCs
		2 500-ml Amber glass	ice	EPA 8330B	Explosives
		1 500-ml Poly	ice	EPA 9056	NO2/NO3
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals
		2 1-L Amber glass	ice	EPA 8270D	SVOC's

Initials of sampling personnel RGH

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.14.01	WELL ID TMW13	LOCATION Northern Area Alluvial						
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY								
	LOCATION DESCRIPTION: Field to SE of Bldg 33								
WEATHER (wind/temp/ppt): wind calm/snowing/32F									
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 60.66 ft btoc	PURGE VOLUME CALCULATION: 3.85 gal	TOTAL DEPTH OF WELL: 73.8 ft btoc	SCREENED INTERVAL: 63.1-73.1 ft btoc	RECOMMENDED PUMP SETTINGS 35 psi, 6 sec on, 24 secs off, 70 mL/min					
METHOD OF PURGING: DISPOSITION OF DISCHARGE WATER:	BESST Low-Flow Discharged to evaporation tank	INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS 35 psi, 6 sec on, 24 secs off					
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 11/4/2015	Total volume (gal)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0940	Start	Purge	-	-	-	-	-	-	
0945	0.10	9.08	7.95	2.15	0.00	5.06	60.8	-57	
0949	0.20	9.69	7.68	2.14	0.00	2.50	60.8	-77	
0952	0.25	10.22	7.59	2.12	0.00	1.24	60.8	-74	
0955	0.30	10.45	7.57	2.11	0.00	0.76	60.8	-72	
0958	0.35	10.61	7.56	2.11	0.00	0.70	60.8	-71	
Sample Information									
SAMPLE DATE: 11/4/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater				
SAMPLING PERSONNEL L. Hill/ S. Weggeser									
SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump				SAMPLE TEMP/pH/EC/TURB/DO: See last measurement					
SAMPLE ID(s): TMW13102015				DUPLICATE/BLANK SAMPLE ID(s): NA					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc) Clear, no odor									
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
TMW13102015	1005	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
		1 500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver			
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver			
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver			

Initials of sampling personnel LH/SW



Sundance Consulting Inc.

PROJECT NUMBER 496810.01.14.01	WELL ID TMW15	LOCATION Northern Area Alluvial
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GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY

LOCATION DESCRIPTION: Workshop area
WEATHER (wind/temp/ppt): cold ice/snow/sunny/clear
OTHER NOTABLE FIELD CONDITIONS: line was iced up during initial purge but cleared

INITIAL DEPTH TO WATER: 65.35 ft btoc	PURGE VOLUME CALCULATION: 3.32 gal	TOTAL DEPTH OF WELL: 76.65	SCREENED INTERVAL: 53.0-71.0 ft btoc	RECOMMENDED PUMP SETTINGS 6 sec on, 24 sec off, 40 psi, 150 mL/min
METHOD OF PURGING: BESST Low-Flow		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS 6 sec on, 24 sec off, 40 psi, 104 mL/min
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information


Date 11/6/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0809	-	9.94	7.35	2.10	46.1	1.04	65.39	-55	
0849	-	10.29	7.37	2.10	31.9	1.01	65.52	-40	
0852	-	10.34	7.38	2.10	20.9	0.89	65.52	-31	
0855	-	10.34	7.39	2.10	13.9	0.85	65.52	-21	
0858	-	10.48	7.39	2.10	8.8	0.81	65.52	-8	
0901	-	10.48	7.40	2.10	5.6	0.81	65.52	6	

Sample Information


SAMPLE DATE: 11/6/2015	SAMPLE TYPE: <u>grab</u> composite	SAMPLE MATRIX: Groundwater
SAMPLING PERSONNEL: L. Hill/ S. Weggeser		
SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump	SAMPLE TEMP/pH/EC/TURB/DO: See last measurement	
SAMPLE ID(s): TMW15102015	DUPLICATE/BLANK SAMPLE ID(s): DTW15102015	
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc) Clear, no odor		

Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory
TMW15102015	0905	3 40-ml glass VOA	HCl	EPA8260C	VOCs
DTW15102015		2 500-ml Amber glass	ice	EPA 8330B	Explosives
		1 500-ml Poly	ice	EPA 9056	NO2/NO3
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals
		2 1-L Amber glass	ice	EPA8270D	SVOC's


Initials of sampling personnel LH/SW

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01	WELL ID TMW21	LOCATION Northern Area Alluvial						
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY								
	LOCATION DESCRIPTION: By gate 52								
WEATHER (wind/temp/ppt): Partly cloudy/60sF									
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 50.88 ft btoc	PURGE VOLUME CALCULATION: 9.3 gal	TOTAL DEPTH OF WELL: 61.4 ft btoc	SCREENED INTERVAL: 50.4-60.4 ft btoc	RECOMMENDED PUMP SETTINGS Purged with grundfos					
METHOD OF PURGING: Casing volume / grundfos		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS					
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank									
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 10/28/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1219	0.0	14.24	7.29	2.88	185	4.77	54.05	70	clear, no odor
1220	0.5	13.47	8.01	2.65	254	0.91	54.90	76	
1222	2.5	13.87	7.93	2.65	723	2.27	55.80	78	murky, no odor
1224	3.0	14.06	7.91	2.64	>1000	1.19	56.77	84	
1225	3.5	14.11	8.11	1.64	>1000	10.20	57.00	85	
1226	-	-	-	1.79	>1000	1.03	-	86	Top of pump -> WL
1227	Dry								
10/29/2015									
1305		10.72	7.94	2.35	186.00	2.67	-	213	
Sample Information									
SAMPLE DATE: 10/29/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater				
SAMPLING PERSONNEL: D. Larsen									
SAMPLING METHOD: Hand Bail		SAMPLE TEMP/pH/EC/TURB/DO: See last measurement							
SAMPLE ID(s): TMW21102015		DUPLICATE/BLANK SAMPLE ID(s):							
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method			Laboratory	
TMW21102015	1305	3	40-ml glass VOA	HCl	EPA8260C	VOCs		Test America-Denver	
		2	500-ml Amber glass	ice	EPA 8330B	Explosives		Test America-Denver	
		1	500-ml Poly	ice	EPA 9056	NO2/NO3		Test America-Denver	
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate		Test America-Denver	
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals		Test America-Denver	
		1	500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals		Test America-Denver	

Initials of sampling personnel DL

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01	WELL ID TMW22	LOCATION Northern Area Alluvial						
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
LOCATION DESCRIPTION:									
WEATHER (wind/temp/ppt): partly cloudy/60sF									
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER:	PURGE VOLUME CALCULATION:	TOTAL DEPTH OF WELL:	SCREENED INTERVAL:	RECOMMENDED PUMP SETTINGS					
48.71 ft btoc	14.56 gal	65.2 ft btoc	54.6-64.6 ft btoc	Grundfos; 168 Hz					
METHOD OF PURGING:	Casing volume / grundfos	INITIAL ORGANIC VAPOR METER READINGS: N/A			ACTUAL FIELD PUMP SETTINGS				
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank									
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 11/28/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1321	0.00	13.74	7.99	3.47	211	2.08	57.15	89	
1322	3	13.11	8.04	2.76	265	2.84	59.35	88	
1323	4	13.39	8.13	3.39	275	2.98	60.9	88	
1324	5	13.44	8.04	3.52	>1000	3.00	Dry	90	Top of pump
1325	Dry	-	-	-	-	-	-	-	
10/29/2015									
1159	-	10.01	7.88	3.18	23.3	4.65	48.57	203	Partial
10/30/2015									
0920	-	9.42	7.66	3.17	0.0	3.13	48.43	186	
Sample Information									
SAMPLE DATE: 10/29/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater				
SAMPLING PERSONNEL: D. Larsen									
SAMPLING METHOD: hand bail				SAMPLE TEMP/pH/EC/TURB/DO: Seel last measurement					
SAMPLE ID(s): TMW22102015				DUPLICATE/BLANK SAMPLE ID(s): NA					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method				Laboratory
TMW22102015	1159	3	40-ml glass VOA	HCl	EPA8260C	VOCs			Test America-Denver
10/29/2015	1158	2	500-ml Amber glass	ice	EPA 8330B	Explosives			Test America-Denver
10/30/2015	0920	1	500-ml Poly	ice	EPA 9056	NO2/NO3			Test America-Denver
10/29/2015	1159	1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate			Test America-Denver
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals			Test America-Denver
		1	500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals			Test America-Denver
		2	1-L Amber glass	ice	EPA8270D	SVOC's			Test America-Denver

Initials of sampling personnel DL

 <p>Sundance Consulting Inc.</p>	PROJECT NUMBER 496810.01.09.01	WELL ID TMW23	LOCATION Northern Area Alluvial						
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY								
	LOCATION DESCRIPTION:								
	WEATHER (wind/temp/ppt): overcast/50sF								
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 45.43 ft btoc	PURGE VOLUME CALCULATION: 12.46 gal	TOTAL DEPTH OF WELL: 59.6 ft btoc	SCREENED INTERVAL: 48.8-58.8 ft btoc	RECOMMENDED PUMP SETTINGS 176 Hz					
METHOD OF PURGING: Casing volume / grundfos		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS					
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank									
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 10/29/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1141	1.00	11.29	8.05	3.25	78.7	0.69	50.45	111	clear, no odor
1142	0	11.75	8.09	2.97	64.2	0.89	54.44	111	
1143	0	12.02	8.16	2.97	115.0	1.69	53.00	112	Top of pump
10/30/2015									
0943	-	10.46	7.75	2.80	61.6	3.24	45.13	204	
Sample Information									
SAMPLE DATE:		10/30/2015			SAMPLE TYPE: (grab) composite		SAMPLE MATRIX: Groundwater		
SAMPLING PERSONNEL:		D. Larsen							
SAMPLING METHOD:		hand bail			SAMPLE TEMP/pH/EC/TURB/DO: See last measurement				
SAMPLE ID(s):		TMW23102015			DUPLICATE/BLANK SAMPLE ID(s): NA				
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No. Volume/Type		Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory		
TMW23102015	0943	3	40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver		
		2	500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver		
		1	500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver		
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver		
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver		
		1	500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver		
		2	1-L Amber glass	ice	8081A	Pesticides	Test America-Denver		

Initials of sampling personnel DL



Sundance Consulting Inc.

PROJECT NUMBER 496810.01.09.01	WELL ID TMW25	LOCATION Northern Area Alluvial
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GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY

LOCATION DESCRIPTION: West of wooden railroad bridge. West of bldg 31
 WEATHER (wind/temp/ppt): Cloudy/Light Rain/30sF/Calm Winds
 OTHER NOTABLE FIELD CONDITIONS:

INITIAL DEPTH TO WATER: 39.00 ft btoc	PURGE VOLUME CALCULATION: 4.7 gal	TOTAL DEPTH OF WELL: 55 ft btoc	SCREENED INTERVAL: 45.2-55.2 ft btoc	RECOMMENDED PUMP SETTINGS 5 sec on, 25 sec off, 30 psi, 100 mL/min
METHOD OF PURGING: BESST casing volume		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information

Date 11/4/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0936	Start	Purging							
0941	0.1	9.44	7.66	3.48	0.00	9.59	39.45	-110	
0944	0.2	9.91	7.61	3.53	0.00	8.74	Dry	-99	
0948	0.3	10.11	7.61	3.51	0.00	8.50	Dry	-94	Well purged dry w/ BESST pump
1330	Started	Collecting	Samples						

Sample Information

SAMPLE DATE: 11/4/2015 SAMPLE TYPE: grab composite SAMPLE MATRIX: Groundwater
 SAMPLING PERSONNEL: L. Hill/ S. Weggeser
 SAMPLING METHOD: Casing volume by dedicated Blatypus pneumatic pump SAMPLE TEMP/pH/EC/TURB/DO: See last measurement
 SAMPLE ID(s): TMW25102015 DUPLICATE/BLANK SAMPLE ID(s): NA
 NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers		Preservatives	Analytical Method	Laboratory
		No.	Volume/Type	(ice, acids, bases, others)		
TMW25102015	1330	3	40-ml glass VOA	HCl	EPA8260C	VOCs
		2	500-ml Amber glass	ice	EPA 8330B	Explosives
		1	500-ml Poly	ice	EPA 9056	NO2/NO3
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals
		1	500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals

Initials of sampling personnel LH/SW



Sundance
Consulting Inc.

PROJECT NUMBER 496810.01.09.01	WELL ID TMW26	LOCATION Northern Area Alluvial
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**GROUNDWATER SAMPLING FIELD DATA SHEET
FORT WINGATE DEPOT ACTIVITY**

LOCATION DESCRIPTION: West of guard shack on road; runs E-W inside fence perimeter

WEATHER (wind/temp/ppt): Cloudy/light drizzle

OTHER NOTABLE FIELD CONDITIONS:

INITIAL DEPTH TO WATER: 27.48 ft btoc	PURGE VOLUME CALCULATION: 9.0 gal	TOTAL DEPTH OF WELL: 58.2 ft btoc	SCREENED INTERVAL: 47.7 - 57.7 ft btoc	RECOMMENDED PUMP SETTINGS 8 sec on, 20 sec off, 40 psi, 300 mL/min
METHOD OF PURGING: BESST Low-flow	INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank		MONITORING EQUIPMENT USED: Horiba U-52		

Well Purging Information

Date 10/30/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1027	2.12	9.92	8.25	3.34	1.9	10.41	27.47	-43	Begin purging at 1022
1032	4.24	10.25	7.69	3.34	5.4	8.40	27.47	-17	.424 mL/m
1037	6.36	10.32	7.65	3.30	13.8	8.37	27.47	-2	2.12 L/5m
1041	8.48	10.37	7.65	3.29	10.7	5.27	27.47	5	
1047	10.60	10.36	7.64	3.26	14.9	5.67	27.42	12	
1052	12.72	10.43	7.64	3.26	13.9	5.14	27.42	17	
1057	14.84	10.42	7.64	3.24	11.3	4.81	27.42	22	
1102	16.96	10.49	7.64	3.22	8.2	4.11	27.42	30	
1107	19.08	10.50	7.65	3.21	6.6	4.09	27.42	33	
1112	-	10.50	7.64	3.21	7.5	4.50	27.42	34	
						Final	27.54		sample
						DTW			

Sample Information

SAMPLE DATE: 10/30/2015	SAMPLE TYPE: <u>grab</u> composite	SAMPLE MATRIX: Groundwater
SAMPLING PERSONNEL: R. Hobbs/J. Nance		
SAMPLING METHOD: BESST Low-flow	SAMPLE TEMP/pH/EC/TURB/DO: See last measurement	
SAMPLE ID(s): TMW26102015	DUPLICATE/BLANK SAMPLE ID(s): DTW26102015	
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):		TMW26102015MS TMW26102015MSD

Sample ID	Sample Time	Sample Containers		Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory
		No.	Volume/Type			
TMW26102015	1115	3	40-ml glass VOA	HCl	EPA8260C	VOCs
DTW26102015		2	500-ml Amber glass	ice	EPA 8330B	Explosives
TMW26102015MS		1	500-ml Poly	ice	EPA 9056	NO2/NO3
TMW26102015MSD		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals
		1	500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals

Initials of sampling personnel RGH



Sundance
Consulting Inc.

PROJECT NUMBER 496810.01.09.01	WELL ID TMW27	LOCATION Northern Area Alluvial
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GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY

LOCATION DESCRIPTION: NW part of facility
WEATHER (wind/temp/ppt): overcast/cool/low 40sF
OTHER NOTABLE FIELD CONDITIONS:

INITIAL DEPTH TO WATER: 28.44 ft btoc	PURGE VOLUME CALCULATION: 13.17 gal	TOTAL DEPTH OF WELL: 73.3 ft btoc	SCREENED INTERVAL: 62.8 - 72.8 ft btoc	RECOMMENDED PUMP SETTINGS 4 sec on, 26 sec off, 40 psi, 110 mL/min
METHOD OF PURGING: BEST low-flow	INITIAL ORGANIC VAPOR METER READINGS: N/A			ACTUAL FIELD PUMP SETTINGS
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information


Date 10/30/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1240	1.2	10.86	7.86	1.49	0.0	12.26	28.77	-87	purging @ 1235
1245	2.4	10.89	7.64	1.44	0.0	12.01	28.77	-120	0.240 L/m
1250	3.6	11.06	7.60	1.42	0.0	11.30	28.77	-134	1.2 L / 5 min
1255	4.8	11.24	7.60	1.41	0.0	10.37	28.77	-140	
1300	6.0	11.31	7.59	1.41	0.0	8.55	28.77	-143	
1305	7.2	11.30	7.59	1.41	0.0	8.50	28.77	-145	
1310	8.4	11.30	7.58	1.41	0.0	7.90	28.77	-146	DO is anomalous sample

Sample Information

SAMPLE DATE: 10/30/2015	SAMPLE TYPE: <u>grab</u> composite	SAMPLE MATRIX: Groundwater
SAMPLING PERSONNEL: R. Hobbs/ J. Nance		
SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump		SAMPLE TEMP/pH/EC/TURB/DO: See last measurement
SAMPLE ID(s): TMW27102015		DUPLICATE/BLANK SAMPLE ID(s):
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.): Clear, no sediment		

Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory
TMW27102015	1315	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver

Initials of sampling personnel RGH

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01	WELL ID TMW29	LOCATION Northern Area Alluvial
	GROUNDWATER SAMPLING FIELD DATA SHEET		
	FORT WINGATE DEPOT ACTIVITY		
LOCATION DESCRIPTION: SE of Gate 51			
WEATHER (wind/temp/ppt): sunny/cool wind blowing/48F			
OTHER NOTABLE FIELD CONDITIONS:			

INITIAL DEPTH TO WATER: 57.62 ft btoc	PURGE VOLUME CALCULATION: 3.55 gal	TOTAL DEPTH OF WELL: 61.7 ft btoc	SCREENED INTERVAL: 50.6 - 60.6 ft btoc	RECOMMENDED PUMP SETTINGS Hand Bail
METHOD OF PURGING: Casing volume / hand bail		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information


Date 10/27/2015 Time	Total volume (Gal)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks <small>(color, odor, sheen, sediment, etc.)</small>
1115	-	14.74	7.96	2.10	337	9.65	58.68	132	Used Horiba for NTU reading
1127	-	13.74	7.89	2.06	1000	2.18	-	135	
1131	-	13.36	7.83	2.05	0.0	2.05	-	145	
1136	-	13.14	7.82	2.07	190	3.03	-	154	
1142	-	13.10	7.85	2.08	0.0	2.36	-	159	
10/28/2015									
0948	-	10.39	7.47	2.13	190	10.12	57.72	111	
1006	-	11.03	7.65	2.16	0.0	6.03	-	128	

Sample Information

SAMPLE DATE: 10/28/2015	SAMPLE TYPE: <u>grab</u> composite	SAMPLE MATRIX: Groundwater
SAMPLING PERSONNEL: C. W-Vernon/ D. Larsen		
SAMPLING METHOD: Casing volume by hand bail	SAMPLE TEMP/pH/EC/TURB/DO: See last measurement listed on 4/2/2015	
SAMPLE ID(s): TMW29102015	DUPLICATE/BLANK SAMPLE ID(s):	
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):		


Sample ID	Sample Time	Sample Containers		Preservatives	Analytical Method		Laboratory
		No.	Volume/Type	(ice, acids, bases, others)			
TMW29102015	0948	3	40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver
		2	500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver
		1	500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver
		1	500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver

Initials of sampling personnel CWV/DL


 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01	WELL ID TMW31S	LOCATION Northern Area Alluvial						
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY								
	LOCATION DESCRIPTION:								
WEATHER (wind/temp/ppt):		Clear skies/60sF							
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER:	PURGE VOLUME CALCULATION:	TOTAL DEPTH OF WELL:	SCREENED INTERVAL:	RECOMMENDED PUMP SETTINGS					
38.76 ft btoc	21.23 gal	62.9 ft btoc	51.2 - 61.2 ft btoc	170 Hz, Finish 196 hz					
METHOD OF PURGING:	Casing volume / grundfos	INITIAL ORGANIC VAPOR METER READINGS: N/A	ACTUAL FIELD PUMP SETTINGS						
DISPOSITION OF DISCHARGE WATER:	Discharged to evaporation tank								
MONITORING EQUIPMENT USED:	Horiba U-52								
Well Purging Information									
Date 10/27/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1120	0.5	13.67	7.41	2.63	160	3.33	44.60	96	
1122	2.0	13.51	7.33	2.60	58.3	2.80	50.90	94	
1123	3.0	13.65	7.30	2.59	38.5	6.08	51.90	93	
1124	4.0	13.75	7.07	2.01	34.8	6.93	53.70	92	
1125	5.0	13.99	7.27	2.58	35.7	7.08	54.85	90	
1126	6.0	13.98	7.30	2.61	140	3.67	56.00	89	
1127	7.0	13.97	7.21	2.63	375.4	2.23	58.20	91	
1128	8.0	14.04	7.09	2.60	295	2.05	58.72	94	
1129	9.0	14.92	7.25	2.63	228	2.78	59.80	84	
1130	10.0	14.15	7.24	2.63	476	2.00	60.34	83	
1131	11.0	14.25	7.23	2.62	477	1.83	61.50	82	
1132	12.0	14.26	7.15	2.34	535	5.81	61.56	83	
1133	Purged Dry	-	-	-	-	-	-	-	
10/29/2015									
1049	-	-	-	-	-	-	39.08	-	
1058	1.00	9.63	7.62	2.79	28.75	5.02	40.82	196	
Sample Information									
SAMPLE DATE:	10/29/2015	SAMPLE TYPE:	(grab) composite	SAMPLE MATRIX:	Groundwater				
SAMPLING PERSONNEL:	J. Nance/ R. Hobbs								
SAMPLING METHOD:	hand bail	SAMPLE TEMP/pH/EC/TURB/DO:	See last measurement						
SAMPLE ID(s):	TMW31S102015	DUPLICATE/BLANK SAMPLE ID(s):							
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
TMW31S102015	1100	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
		2 1-L Amber glass	ice	EPA8270D	SVOC's	Test America-Denver			
		2 500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver			
		1 500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver			
		2 1-L Amber glass	ice	EPA 8081A	Pesticides	Test America-Denver			
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver			
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver			

Initials of sampling personnel


JDN

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01	WELL ID TMW33	LOCATION Northern Area Alluvial						
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY								
	LOCATION DESCRIPTION: West of Bldg #5								
WEATHER (wind/temp/ppt):									
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 44.26 ft btoc	PURGE VOLUME CALCULATION: 14.45 gal	TOTAL DEPTH OF WELL: 60.7 ft btoc	SCREENED INTERVAL: 39.8 - 59.8 ft	RECOMMENDED PUMP SETTINGS 160 Hz					
METHOD OF PURGING: Casing volume / grundfos		INITIAL ORGANIC VAPOR METER READINGS: N/A			ACTUAL FIELD PUMP SETTINGS				
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank									
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 10/29/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1031	-	11.08	7.72	10.0	>1000	2.08	45.00	125	clear, no odor
1032	-	13.14	7.45	9.25	171	0.87	46.30	78	
1034	-	14.09	7.39	8.31	59.1	1.41	48.50	78	
1035	-	14.57	7.40	8.35	52.3	1.44	57.80	80	
1037	-	14.98	7.40	8.76	51.0	0.54	58.00	82	
1038	-	15.13	7.44	9.00	51.6	1.15	59.00	83	
1040	-	15.09	7.44	9.08	50.6	1.09	-	83	Top of pump
1041	Dry	-	-	-	-	-	-	-	
10/30/2015									
1120	-	12.50	7.29	8.67	32.1	1.96	44.08	233	
Sample Information									
SAMPLE DATE: 10/30/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater				
SAMPLING PERSONNEL: D. Larsen									
SAMPLING METHOD: hand bail		SAMPLE TEMP/pH/EC/TURB/DO: See measurement recorded at 0845							
SAMPLE ID(s): TMW33102015		DUPLICATE/BLANK SAMPLE ID(s):							
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
TMW33102015	1120	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
		2 1-L Amber glass	ice	8270D	SVOCs	Test America-Denver			
		3 40-ml glass VOA	HCl	EPA 8015C	TPH-GRO	Test America-Denver			
		2 1-L Amber glass	ice	EPA 8015C	TPH-DRO	Test America-Denver			
		1 500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver			
		1 500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver			


Initials of sampling personnel DL

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01		WELL ID TMW39S		LOCATION Northern Area Alluvial					
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY									
	LOCATION DESCRIPTION:									
WEATHER (wind/temp/ppt): clear skies/70sF										
OTHER NOTABLE FIELD CONDITIONS:										
INITIAL DEPTH TO WATER: 36.37 ft btoc		PURGE VOLUME CALCULATION: 16.86 gal		TOTAL DEPTH OF WELL: 55.5 ft btoc		SCREENED INTERVAL: 34.6 to 54.6 ft btoc		RECOMMENDED PUMP SETTINGS 175 Hz		
METHOD OF PURGING: Casing volume / grundfos				INITIAL ORGANIC VAPOR METER READINGS: N/A				ACTUAL FIELD PUMP SETTINGS		
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 10/27/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
1205	0.5	16.79	7.41	1.53	38.2	8.93	38.0	110		
1206	1.5	14.34	7.69	3.58	14.2	5.43	39.6	108		
1207	2.5	13.82	7.68	3.62	63.4	5.72	41.1	106		
1208	3.5	13.98	7.36	3.24	4.9	8.28	-	102		
1209	4.0	13.95	7.64	3.65	7.9	8.39	45.3	98	pump well dry	
1210	4.5	14.08	7.62	3.65	18.8	7.92	46.8	95		
1211	5.5	14.08	7.61	3.66	45.9	7.69	49.4	93		
1212	5.8	14.18	7.59	3.69	57.7	3.52	51.3	91		
1213	6.0	14.04	7.58	3.75	64.5	2.91	55.0	89		
1214	Purged Dry	-	-	-	-	-	-	-		
10/29/2015										
0959	-	-	-	-	-	-	40.73	-		
1010	-	-	-	-	-	-	-	-	sample	
Sample Information										
SAMPLE DATE: 10/29/2015		SAMPLE TYPE: (grab) composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: J. Nance/ R. Hobbs										
SAMPLING METHOD: hand bail				SAMPLE TEMP/pH/EC/TURB/DO: See last measurement						
SAMPLE ID(s): TMW39S102015					DUPLICATE/BLANK SAMPLE ID(s):					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
Sample ID	Sample Time	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method				Laboratory	
TMW39S102015	1010	3	40-ml glass VOA	HCl	EPA8260C	VOCs			Test America-Denver	
		2	1-L Amber glass	ice	EPA 8270D	SVOCs			Test America-Denver	
		2	500-ml Amber glass	ice	EPA 8330B	Explosives			Test America-Denver	
		1	500-ml Poly	ice	EPA 9056	NO2/NO3			Test America-Denver	
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate			Test America-Denver	
		2	1-L Amber glass	ice	EPA 8081A	Pesticides			Test America-Denver	
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals			Test America-Denver	
		1	500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals			Test America-Denver	

Initials of sampling personnel JDN

	PROJECT NUMBER 496810.01.09.01	WELL ID TMW41	LOCATION Northern Area Alluvial						
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
LOCATION DESCRIPTION:									
WEATHER (wind/temp/ppt): calm/clear/6t0sF									
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 41.48 ft btoc	PURGE VOLUME CALCULATION: 23.20 gal	TOTAL DEPTH OF WELL: 67.8 ft btoc	SCREENED INTERVAL: 57.7 to 67.7 ft btoc	RECOMMENDED PUMP SETTINGS Grundfos; 190 Hz					
METHOD OF PURGING: Casing volume / grundfos		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS					
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank									
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 10/28/2015 Time	Total volume (gal)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0952	2.00	11.09	7.96	4.28	121	5.05	41.51	20	clear, no odor
0953	3	12.12	8.01	3.75	183	11.25	58.8	32	clear, no odor
0954	5	12.25	8.02	3.03	231	11.77	60.30	39	clear, no odor
0956	7	12.64	7.99	4.14	231	8.26	-	41	clear, no odor
0957	9	12.72	8.00	4.13	236	7.48	63.05	42	clear, no odor
0958	10	12.72	8.02	4.11	439	4.38	64.66	43	clear, no odor
0959	Dry	-	-	-	-	-	-	-	
10/29/2015									
1042	-	10.97	7.78	3.21	15.60	2.38	42.78	159	
1047	-	10.88	8.18	3.22	19.80	2.42	-	151	
Sample Information									
SAMPLE DATE: 10/29/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater				
SAMPLING PERSONNEL: D. Larsen									
SAMPLING METHOD: hand bail					SAMPLE TEMP/pH/EC/TURB/DO: See last measurement				
SAMPLE ID(s): TMW41102015					DUPLICATE/BLANK SAMPLE ID(s):				
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory				
TMW41102015	1042	3 40-ml glass VOA	HCl	EPA8260C	VOCs Test America-Denver				
		2 1-L Amber glass	ice	EPA 8270D	SVOCs Test America-Denver				
		2 500-ml Amber glass	ice	EPA 8330B	Explosives Test America-Denver				
		1 500-ml Poly	ice	EPA 9056	NO2/NO3 Test America-Denver				
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate Test America-Denver				
		2 1-L Amber glass	ice	EPA 8081A	Pesticides Test America-Denver				
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals Test America-Denver				
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals Test America-Denver				

Initials of sampling personnel DL

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01		WELL ID TMW46		LOCATION Northern Area Alluvial					
	GROUNDWATER SAMPLING FIELD DATA SHEET									
	FORT WINGATE DEPOT ACTIVITY									
LOCATION DESCRIPTION:										
WEATHER (wind/temp/ppt): Clear skies/ 70sF										
OTHER NOTABLE FIELD CONDITIONS:										
INITIAL DEPTH TO WATER: 44.39 ft btoc	PURGE VOLUME CALCULATION: 14.38 gal	TOTAL DEPTH OF WELL: 60.7 ft btoc	SCREENED INTERVAL: 38.5-58.5 ft btoc	RECOMMENDED PUMP SETTINGS Grundfos; 185 Hz to 210 Hz						
METHOD OF PURGING: Casing volume / grundfos		INITIAL ORGANIC VAPOR METER READINGS: N/A			ACTUAL FIELD PUMP SETTINGS					
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 10/27/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
1245	0.5	15.92	7.86	4.54	10.8	2.86	-	100		
1246	1.5	14.22	7.69	4.64	9.5	1.54	47.20	98		
1247	2.0	14.26	7.60	4.64	15.7	2.10	48.40	95		
1248	2.5	14.40	7.54	4.65	24.6	2.08	-	92		
1249	3.5	14.50	7.52	4.64	27.0	1.98	49.80	90		
1250	4.0	14.59	7.48	4.64	46.4	1.58	51.00	86		
1251	5.5	14.61	7.46	4.64	52.5	1.49	51.90	83		
1252	6.5	14.47	7.41	4.64	43.2	1.40	55.10	77	flow increased	
1253	8.0	14.42	7.40	4.65	30.2	1.38	-	72		
1254	12.0	14.46	7.42	4.63	97.3	1.43	58.9	67		
1255	13.0	14.55	7.41	4.63	62.9	1.44	60.4	66		
1256	Well	Purged	Dry	-	-	-	-	-		
10/29/2015										
1300	collect	sample	-	-	-	-	-	-		
Sample Information										
SAMPLE DATE: 10/29/2015		SAMPLE TYPE: <u>Grab</u> composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: L. Hill/ G. Engle										
SAMPLING METHOD: hand bail					SAMPLE TEMP/pH/EC/TURB/DO: See last measurement					
SAMPLE ID(s): TMW46102015					DUPLICATE/BLANK SAMPLE ID(s):					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
Sample ID	Sample Time	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
TMW46102015	1300	3	40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
		2	1-L Amber glass	ice	EPA 8270D	SVOCs	Test America-Denver			
		2	500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver			
		1	500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1	125-ml Poly w/Syringe	ice	EPA 6860	Perchlorate	Test America-Denver			
		2	1-L Amber glass	ice	EPA 8081A	Pesticides	Test America-Denver			
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver			
		1	500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver			

Initials of sampling personnel LH/GE



Sundance Consulting Inc.

PROJECT NUMBER 496810.01.09.01	WELL ID TMW02	LOCATION Northern Area Bedrock
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**GROUNDWATER SAMPLING FIELD DATA SHEET
FORT WINGATE DEPOT ACTIVITY**

LOCATION DESCRIPTION: Southeast of Gate 51
 WEATHER (wind/temp/ppt): 10-15mph/69F/dry
 OTHER NOTABLE FIELD CONDITIONS:

INITIAL DEPTH TO WATER: 55.9 ft btoc	PURGE VOLUME CALCULATION: 8.28 gal	TOTAL DEPTH OF WELL: 84.1 ft	SCREENED INTERVAL: 69.3 - 83.3 ft	RECOMMENDED PUMP SETTINGS 6 sec on, 24 sec off 35 psi, 100 mL/min
METHOD OF PURGING: BESST low-flow	INITIAL ORGANIC VAPOR METER READINGS: 0.0 ppm		ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information


Date 11/3/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1250	0.34	15.77	7.85	4.07	0.0	4.15	56.1	120	1245 begin purging
1255	0.680	15.94	7.76	4.07	0.0	3.10	56.1	122	68 mL/min
1300	1.020	16.30	7.71	4.06	0.0	2.76	56.1	123	0.34 L/5 min
1305	1.300	16.50	7.69	4.06	0.0	2.46	56.1	123	
1310	1.700	16.76	7.67	4.06	0.0	2.18	56.1	122	
1305	2.040	16.96	7.66	4.06	0.0	1.84	56.1	122	
1320	2.680	17.10	7.65	4.05	0.0	1.60	56.1	121	
1325	3.02	17.43	7.65	4.05	0.0	1.45	56.1	120	
1330	3.36	17.57	7.65	4.05	0.0	1.32	56.1	120	
1335	-	17.64	7.65	4.06	0.0	1.31	56.1	119	sample

Sample Information


SAMPLE DATE: 11/3/2015 SAMPLE TYPE: grab composite SAMPLE MATRIX: Groundwater
 SAMPLING PERSONNEL: R. Hobbs/ J. Nance
 SAMPLING METHOD: Casing Volume by dedicated Blatypus pneumatic pump SAMPLE TEMP/pH/EC/TURB/DO: See last measurement
 SAMPLE ID(s): TMW02102015 DUPLICATE/BLANK SAMPLE ID(s): NA
 NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers		Preservatives	Analytical Method	Laboratory
		No.	Volume/Type	(ice, acids, bases, others)		
TMW02102015	1340	3	40-ml glass VOA	HCl	EPA8260C	VOCs
		2	500-ml Amber glass	ice	EPA 8330B	Explosives
		1	500-ml Poly	ice	EPA 9056	NO2/NO3
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals
		1	500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals


Initials of sampling personnel RGH

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01		WELL ID TMW19		LOCATION Northern Area Bedrock					
	GROUNDWATER SAMPLING FIELD DATA SHEET									
	FORT WINGATE DEPOT ACTIVITY									
	LOCATION DESCRIPTION: SW of evaporation tank									
WEATHER (wind/temp/ppt): sunny/40sF/light breeze										
OTHER NOTABLE FIELD CONDITIONS:										
INITIAL DEPTH TO WATER:		PURGE VOLUME CALCULATION:		TOTAL DEPTH OF WELL:		SCREENED INTERVAL:		RECOMMENDED PUMP SETTINGS		
43.54 ft btoc		42.43 gal		188 ft btoc		172 - 187 ft btoc		80 to 100psi		
METHOD OF PURGING: Casing volume / Bennett				INITIAL ORGANIC VAPOR METER READINGS: N/A			ACTUAL FIELD PUMP SETTINGS			
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 10/27/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
1115	18.81	12.12	8.25	2.92	2.99	7.32	67.80	-13	3.76 L/m purge rate	
1120	37.60	12.30	7.97	2.68	4.23	1.38	98.32	-23		
1125	56.40	11.95	7.79	2.68	5.61	12.40	118.83	-5		
1130	75.20	11.85	7.81	2.63	7.97	6.10	146.50	0		
1135	94.00	11.67	7.86	2.69	13.76	1.34	160.27	0		
1140	112.80	11.83	7.79	2.65	25.29	0.00	173.13	5		
1145	131.60	11.81	8.16	2.62	339.8	0.00	177.81	4		
1150	150.40	11.82	8.10	2.63	346.1	0.00	186.55	3		
1152	157.92	-	-	-	-	-	-	-	Well dry @1152 on 10/27/2015	
10/28/2015										
1130	-	-	-	-	-	-	45.92	-		
1135	-	11.67	8.18	304.00	62.88	5.77	53.98	78		
Sample Information										
SAMPLE DATE: 10/28/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: J. Nance/ R. Hobbs										
SAMPLING METHOD: Casing volume by dedicated Bennett Pump				SAMPLE TEMP/pH/EC/TURB/DO: See last measurement						
SAMPLE ID(s): TMW19102015				DUPLICATE/BLANK SAMPLE ID(s): NA						
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory				
TMW19102015	1135	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver				
		2 1-L Amber glass	ice	EPA 8270D	SVOCs	Test America-Denver				
		2 500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver				
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver				
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver				
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver				

Initials of sampling personnel RGH

 Sundance Consulting Inc.		PROJECT NUMBER 496810.01.09.01	WELL ID TMW36	LOCATION Northern Area Bedrock					
		GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY							
		LOCATION DESCRIPTION:	SW of gate 51						
WEATHER (wind/temp/ppt):		Breezy/ little cloud cover							
OTHER NOTABLE FIELD CONDITIONS:		animal burrow near well vault							
INITIAL DEPTH TO WATER: 28.98 ft btoc	PURGE VOLUME CALCULATION: 110.5 gal	TOTAL DEPTH OF WELL: 154.3 ft btoc	SCREENED INTERVAL: 132 - 152 ft btoc	RECOMMENDED PUMP SETTINGS 75 psi					
METHOD OF PURGING: Casing volume / Bennett		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS					
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank									
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 10/27/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1512	0.00	13.60	8.12	2.59	0.67	0.00	58.26	-89	3.2 L/m purge rate
1517	16.00	13.01	7.84	2.57	0.01	0.92	71.25	-86	
1522	32.00	12.78	7.76	2.58	0.74	0.78	85.92	-87	
1527	48.00	12.96	7.72	2.57	7.32	0.00	100.58	-89	
1532	64.00	12.60	7.71	2.58	7.71	0.55	114.74	-84	
1537	80.00	12.33	7.70	2.60	2.61	0.38	129.34	-82	
1542	96.00	12.37	7.73	2.60	15.36	0.65	139.88	-80	
1547	112.00	12.33	8.11	2.60	20.35	0.00	150.76	-91	
									well dry @ 1550
10/28/2015									on 10/27/2015
1344	-	-	-	-	-	-	84.28	-	
1350	-	15.65	7.85	2.91	52.60	0.97	-	-105	
Sample Information									
SAMPLE DATE:		10/28/2015		SAMPLE TYPE: <u>grab</u> composite		SAMPLE MATRIX:		Groundwater	
SAMPLING PERSONNEL:		J. Nance/ R. Hobbs							
SAMPLING METHOD: Casing volume by dedicated Bennett Pump				SAMPLE TEMP/pH/EC/TURB/DO: see last measurement					
SAMPLE ID(s): TMW36102015				DUPLICATE/BLANK SAMPLE ID(s): NA					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method				Laboratory
TMW36102015	1350	3	40-ml glass VOA	HCl	EPA8260C	VOCs			Test America-Denver
		2	500-ml Amber glass	ice	EPA 8330B	Explosives			Test America-Denver
		1	500-ml Poly	ice	EPA 9056	NO2/NO3			Test America-Denver
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate			Test America-Denver
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals			Test America-Denver
		1	500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals			Test America-Denver
		2	1-L Amber glass	ice	EPA8270D	SVOCs			Test America-Denver
		2	1-L Amber glass	ice	EPA 8081A	Pesticides			Test America-Denver

Initials of sampling personnel RGH

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01		WELL ID TMW37		LOCATION Northern Area Bedrock					
	GROUNDWATER SAMPLING FIELD DATA SHEET								FORT WINGATE DEPOT ACTIVITY	
	LOCATION DESCRIPTION: Southwest of TNT beds									
	WEATHER (wind/temp/ppt): 10-15mph/60F/dry OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 46.82 ft btoc	PURGE VOLUME CALCULATION: 56.3 gal	TOTAL DEPTH OF WELL: 110.7 ft btoc	SCREENED INTERVAL: 90.2 - 110.2 ft btoc	RECOMMENDED PUMP SETTINGS 75 psi						
METHOD OF PURGING: Casing volume / Bennett		INITIAL ORGANIC VAPOR METER READINGS: N/A				ACTUAL FIELD PUMP SETTINGS				
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 10/27/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
1343	18.43	14.52	8.42	2.15	10.14	10.85	69.43	-41	3.68 L/min	
1348	36.86	12.76	7.87	2.10	8.64	11.80	91.45	-58		
1353	55.29	12.74	7.85	2.09	6.56	4.45	102.25	-39		
1358	72.72	13.09	7.95	2.49	26.51	0.06	109.55	-27	well went dry	
1402	-	-	-	-	-	-	-	-	@ 1402 10/27/15	
10/28/2015										
1235	-	-	-	-	-	-	69.43	-		
1241	-	12.83	8.18	3.21	51.40	5.83	82.63	26	sample	
Sample Information										
SAMPLE DATE: 10/28/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: R. Hobbs/ J. Nance										
SAMPLING METHOD: Casing volume by dedicated Bennett Pump					SAMPLE TEMP/pH/EC/TURB/DO: see last measurement					
SAMPLE ID(s): TMW37102015					DUPLICATE/BLANK SAMPLE ID(s): NA					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
Sample ID	Sample Time	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
TMW37102015	1241	3	40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
		2	500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver			
		1	500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver			
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver			
		1	500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver			
		2	1-L Amber glass	ice	8270D	SVOCs	Test America-Denver			
		2	1-L Amber glass	ice	8081A	Pesticides	Test America-Denver			

Initials of sampling personnel RGH



Sundance Consulting Inc.

PROJECT NUMBER 496810.01.09.01 WELL ID TMW38 LOCATION Northern Area Bedrock

GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY

LOCATION DESCRIPTION: Southeast of Gate 51
 WEATHER (wind/temp/ppt): clear/calm/20s F
 OTHER NOTABLE FIELD CONDITIONS:

INITIAL DEPTH TO WATER: 47.91 ft btoc	PURGE VOLUME CALCULATION: 19.72 gal	TOTAL DEPTH OF WELL: 115 ft btoc	SCREENED INTERVAL: 121.4 - 161.4 ft btoc	RECOMMENDED PUMP SETTINGS 30 psi, 4 sec on, 56 sec off, 28 mL/min
METHOD OF PURGING: BEST low-flow	INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS 30 psi, 4 sec on, 64 sec off	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				
MONITORING EQUIPMENT USED: Horiba U-52				

Well Purging Information


Date 11/6/2015 Time	Total volume (gal)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0852	Start pumping	-	-	-	-	-	-	-	well frozen
0908	pumping	-	-	-	-	-	-	-	ice clear
0910	~.1	7.95	8.23	4.15	22.3	2.44	48.44	82	
0914	~.15	8.08	8.34	3.82	21.6	2.40	48.49	-1	
0918	~.2	8.21	8.37	3.62	24.9	2.29	48.51	-27	
0922	~.25	8.29	8.38	3.48	26.1	1.94	48.56	-63	
0926	~.3	8.46	8.40	3.39	29.0	1.62	48.60	-82	
0930	~.35	8.62	8.42	3.35	38.4	1.15	48.61	-98	
0934	~.4	8.85	8.42	3.34	51.5	0.88	48.66	-101	
0938	~.45	9.76	8.46	3.30	49.0	0.88	48.70	-114	
0942	~.5	9.95	8.47	3.27	63.5	1.42	48.70	-107	
0946	~.55	10.14	8.47	3.25	54.5	4.18	48.70	-105	
0950	~.6	10.03	8.48	3.26	56.4	1.08	48.70	-107	
0955	~.65	10.39	8.49	3.22	56.0	0.69	48.70	-107	

Sample Information

SAMPLE DATE: 11/6/2015 SAMPLE TYPE: grab composite SAMPLE MATRIX: Groundwater
 SAMPLING PERSONNEL: L. Hill/ S. Weggeser
 SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump SAMPLE TEMP/pH/EC/TURB/DO: see last measurement
 SAMPLE ID(s): TMW38102015 DUPLICATE/BLANK SAMPLE ID(s): NA
 NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.): Suggest pulling pump and using bailer

Sample ID	Sample Time	Sample Containers		Preservatives	Analytical Method	Laboratory
		No.	Volume/Type	(ice, acids, bases, others)		
TMW38102015	1000	3	40-ml glass VOA	HCl	EPA8260C	VOCs
		2	1-L Amber glass	ice	EPA 8270D	SVOCs
		2	500-ml Amber glass	ice	EPA 8330B	Explosives
		1	500-ml Poly	ice	EPA 9056	NO2/NO3
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate
		2	1-L Amber glass	ice	EPA 8081A	Pesticides
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals
		1	500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals

Initials of sampling personnel LH/SW

	PROJECT NUMBER 496810.01.09.01	WELL ID TMW39D	LOCATION Northern Area Bedrock							
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY									
LOCATION DESCRIPTION:										
WEATHER (wind/temp/ppt): snowy/rainy/cold										
OTHER NOTABLE FIELD CONDITIONS:										
INITIAL DEPTH TO WATER: 36.31 ft btoc	PURGE VOLUME CALCULATION: 19.53 gal	TOTAL DEPTH OF WELL: 102.8 ft btoc	SCREENED INTERVAL: 72.1 - 102.1 ft btoc	RECOMMENDED PUMP SETTINGS 40 psi, 7 sec on, 23 sec off, 340 mL/min						
METHOD OF PURGING: BESST low-flow		INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS						
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank										
MONITORING EQUIPMENT USED: Horiba U-52										
Well Purging Information										
Date 11/4/2015	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks <small>(color, odor, sheen, sediment, etc.)</small>	
Time										
1115	0.75	10.66	8.25	3.39	47.6	2.69	36.80	-76	begin purging @1110	
1120	1.5	10.57	8.23	3.29	29.1	2.27	36.81	-82	150 mL/m	
1125	2.25	10.66	8.27	3.02	9.2	2.06	36.76	-88	0.150 L/m	
1130	3	10.49	8.28	2.90	7.6	1.90	36.74	-83	0.75 L/5m	
1135	3.75	10.98	8.27	2.79	10.3	1.48	36.81	-94		
1140	4.5	10.86	8.27	2.69	10.1	0.98	36.78	-99		
1145	5.25	10.93	8.28	2.70	11.1	0.95	36.71	-100	sample	
						Final DTW	36.76			
Sample Information										
SAMPLE DATE: 11/4/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: B. Moayyad/ R. Hobbs										
SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump				SAMPLE TEMP/pH/EC/TURB/DO: see last measurement						
SAMPLE ID(s): TMW39D102015		DUPLICATE/BLANK SAMPLE ID(s):								
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory					
TMW39D102015	1200	3 40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver				
		2 1-L Amber glass	ice	EPA 8270D	SVOCs	Test America-Denver				
		2 500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver				
		1 500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver				
		1 125-ml Poly w/Syringe	ice	Field Filter	EPA 6860	Perchlorate	Test America-Denver			
		2 1-L Amber glass	ice	EPA 8081A	Pesticides	Test America-Denver				
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver				
		1 500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver				
Initials of sampling personnel		RGH								



Sundance
Consulting Inc.

PROJECT NUMBER 496810.01.09.01	WELL ID TMW40D	LOCATION Northern Area Bedrock
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GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY

LOCATION DESCRIPTION: East of gate 51
 WEATHER (wind/temp/ppt): clear/breezy/45F
 OTHER NOTABLE FIELD CONDITIONS:

INITIAL DEPTH TO WATER: 34.01 ft btoc	PURGE VOLUME CALCULATION: 36.47 gal	TOTAL DEPTH OF WELL: 158.1 ft btoc	SCREENED INTERVAL: 137.3 - 157.3 ft btoc	RECOMMENDED PUMP SETTINGS 40psi, 9 sec on, 11 sec off, 170 mL/min
METHOD OF PURGING: BEST low-flow	INITIAL ORGANIC VAPOR METER READINGS: N/A		ACTUAL FIELD PUMP SETTINGS 40psi, 9 sec on, 11 sec off, 224 mL/min	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank				MONITORING EQUIPMENT USED: Horiba U-52

Well Purging Information


Date 11/3/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO 0.83	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
0826	1.792	12.41	7.88	2.84	6.3	0.83	33.98	-138	clean, sulphur smell
0834	2.464	12.48	7.95	2.84	4.0	0.61	34.02	-138	
0837	3.136	12.63	8.01	2.82	0.0	0.38	34.02	-129	
0840	3.808	12.64	8.00	2.83	0.0	0.29	34.02	-122	
0843	4.480	12.61	8.08	2.83	0.0	0.24	34.02	-118	
0846	5.152	12.63	8.09	2.83	0.0	0.12	34.02	-101	
0849	5.824	12.65	8.10	2.83	0.0	0.06	34.02	-92	
0852	6.496	12.66	8.11	2.83	0.0	0.51	34.02	-81	
0855	7.168	12.73	8.11	2.83	0.0	1.04	34.02	-78	
0858	7.840	12.73	8.11	2.83	0.0	0.83	34.02	-73	
0900	sample								

Sample Information


SAMPLE DATE: 11/3/2015 SAMPLE TYPE: grab composite SAMPLE MATRIX: Groundwater
 SAMPLING PERSONNEL: D. Larsen
 SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump SAMPLE TEMP/pH/EC/TURB/DO: see last measurement
 SAMPLE ID(s): TMW40D102015 DUPLICATE/BLANK SAMPLE ID(s): NA
 NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers No. Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory
TMW40D102015	900	3 40-ml glass VOA	HCl	EPA8260C	VOCs Test America-Denver
		2 1-L Amber glass	ice	EPA 8270D	SVOCs Test America-Denver
		2 500-ml Amber glass	ice	EPA 8330B	Explosives Test America-Denver
		1 500-ml Poly	ice	EPA 9056	NO2/NO3 Test America-Denver
		1 125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate Test America-Denver
		2 1-L Amber glass	ice	EPA 8081A	Pesticides Test America-Denver
		1 500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals Test America-Denver
		1 500-ml Poly	HNO3- Field Filter	6010C/6020A/7470A	Dis. Metals Test America-Denver

Initials of sampling personnel DL

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01		WELL ID TMW48		LOCATION Northern Area Bedrock				
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
	LOCATION DESCRIPTION:								
WEATHER (wind/temp/ppt): cloudy/rainy/39F									
OTHER NOTABLE FIELD CONDITIONS:									
INITIAL DEPTH TO WATER: 37.53 ft btoc		PURGE VOLUME CALCULATION: 16.46 gal		TOTAL DEPTH OF WELL: 93.5 ft btoc		SCREENED INTERVAL: 73 - 93 ft btoc		RECOMMENDED PUMP SETTINGS 10 sec on, 10 sec off, 30 psi, 260 mL/min	
METHOD OF PURGING: BESST low-flow			INITIAL ORGANIC VAPOR METER READINGS: N/A			ACTUAL FIELD PUMP SETTINGS			
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank								10 sec on, 10 sec off, 30 psi, 222 mL/min	
MONITORING EQUIPMENT USED: Horiba U-52									
Well Purging Information									
Date 11/4/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (mV)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)
1243	0.000	9.60	7.73	2.52	3.06	0.72	37.48	114	
1252	1.998	10.09	7.78	2.51	2.40	0.67	37.48	116	
1255	2.664	10.02	7.65	2.48	0.00	0.47	37.48	119	
1258	3.330	10.10	7.57	2.46	0.00	0.28	37.48	123	
1301	3.996	10.23	7.55	2.44	0.00	0.21	37.48	124	
1304	4.662	10.24	7.51	2.44	0.00	0.08	37.48	125	
Sample Information									
SAMPLE DATE: 11/4/2015		SAMPLE TYPE: <u>(grab)</u> composite			SAMPLE MATRIX: Groundwater				
SAMPLING PERSONNEL: D. Larsen/ C. W-Vernon									
SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump				SAMPLE TEMP/pH/EC/TURB/DO: see last measurement					
SAMPLE ID(s): TMW48102015				DUPLICATE/BLANK SAMPLE ID(s):					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):									
Sample ID	Sample Time	Sample Containers No. Volume/Type		Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory			
TMW48102015	1305	3	40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver		
		2	1-L Amber glass	ice	EPA 8270D	SVOCs	Test America-Denver		
		2	500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver		
		1	500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver		
		1	125-ml Poly w/Syringe	ice Field Filter	EPA 6860	Perchlorate	Test America-Denver		
		2	1-L Amber glass	ice	EPA 8081A	Pesticides	Test America-Denver		
		1	500-ml Poly	HNO3	6010C/6020A/7470A	Tot. Metals	Test America-Denver		
		1	500-ml Poly	HNO3-Field Filter	6010C/6020A/7470A	Dis. Metals	Test America-Denver		

Initials of sampling personnel DL/CVV

 Sundance Consulting Inc.	PROJECT NUMBER 496810.01.09.01		WELL ID TMW49		LOCATION Northern Area Bedrock					
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY									
	LOCATION DESCRIPTION: Southern part of northern area		WEATHER (wind/temp/ppt): Cloudy/10-15mph wind/20sF						OTHER NOTABLE FIELD CONDITIONS:	
INITIAL DEPTH TO WATER: 45.58 ft btoc	PURGE VOLUME CALCULATION: 4.87 gal	TOTAL DEPTH OF WELL: 63 ft btoc	SCREENED INTERVAL: 42.5 - 62.5 ft btoc	RECOMMENDED PUMP SETTINGS 35 psi, 4 sec on, 26 sec off, 100 mL/min						
METHOD OF PURGING: BESST low-flow		INITIAL ORGANIC VAPOR METER READINGS: N/A			ACTUAL FIELD PUMP SETTINGS					
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation tank								MONITORING EQUIPMENT USED: Horiba U-52		
Well Purging Information										
Date 11/5/2015 Time	Total volume (L)	± 10% Temp (°C)	± 0.5 pH	± 10% Conductivity (mS/cm)	± 10% or <1 Turbidity (NTU)	± 10% or <1.0 DO (mg/L)	DTW (ft)	± 10 ORP (mV)	Remarks (color, odor, sheen, sediment, etc.)	
0844	Start	Pumping	-	-	-	-	-	-		
0847	~.1	5.40	7.36	5.03	0.0	3.82	45.80	150		
0851	~.15	6.64	7.41	4.49	0.3	2.37	45.90	153		
0854	~.2	7.72	4.48	3.89	1.2	2.05	46.05	148		
0858	~.25	7.92	7.50	3.68	0.0	1.61	46.08	145		
0902	~.35	8.36	7.58	3.48	0.0	1.18	46.09	142		
0905	~.4	8.43	7.59	3.39	0.0	1.15	46.20	141		
0908	-	8.54	7.61	3.31	0.0	1.23	46.22	140		
Sample Information										
SAMPLE DATE: 11/5/2015		SAMPLE TYPE: <u>grab</u> composite			SAMPLE MATRIX: Groundwater					
SAMPLING PERSONNEL: L. Hill/ S. Weggeser										
SAMPLING METHOD: Low-flow by dedicated Blatypus pneumatic pump				SAMPLE TEMP/pH/EC/TURB/DO: see last measurement						
SAMPLE ID(s): TMW49102015					DUPLICATE/BLANK SAMPLE ID(s):					
NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):										
Sample ID	Sample Time	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method	Laboratory				
TMW49102015	0910	3	40-ml glass VOA	HCl	EPA8260C	VOCs	Test America-Denver			
		2	1-L Amber glass	ice	EPA 8270D	SVOCs	Test America-Denver			
		2	500-ml Amber glass	ice	EPA 8330B	Explosives	Test America-Denver			
		1	500-ml Poly	ice	EPA 9056	NO2/NO3	Test America-Denver			
		1	125-ml Poly w/Syringe	ice	Field Form	EPA 6860	Perchlorate	Test America-Denver		
		2	1-L Amber glass	ice		EPA 8081A	Pesticides	Test America-Denver		
		1	500-ml Poly	HNO3		6010C/6020A/7470A	Tot. Metals	Test America-Denver		
		1	500-ml Poly	HNO3-Field Filter		6010C/6020A/7470A	Dis. Metals	Test America-Denver		
Initials of sampling personnel <u>LH/SW</u>										

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 4955 Yarrow Street
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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: John Nance		Site Contact: John Nance 505 321 7260		Date: 10/27/15		COC No: FWDAOCT15-01																		
John Nance		Tel: 505 835 7660		Lab Contact: Michelle Johnston		Carrier: Federal Express		I ___ of ___ COCs																		
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time		Filtered Sample Explosives 8330B Nitrate Nitrite 9056 Perchlorate 6860 TAL_Metal6010C/6020A/7470A Total TAL_Metal6010C/6020A/7470A Diss. Organochlorine Pesticides 8081A Volatile Organic Compounds 8260C Semivolatile Organics 8270D ORO 8015C C24-C36 TPH-DRO 8015C C10-C28 TPH-GRO 8015C C6-C10 TCLP VOCs 1311/8260B TCLP SVOCs 1311/8270D Metals 6010C/6020A dissolved TCLP Pesticides 1311/8081A TCLP Herbicides 1311/8151A pH 9045C Ignitability 1010		Job No.																				
Albuquerque, NM 87109		Calendar (C) or Work Days (W) <u>W</u>				SDG No.																				
505 835 7660 PHONE		TAT if different from Below <u>15</u>																								
Project Name: Fort Wingate		<input type="checkbox"/> 2 weeks																								
Site: Fort Wingate, New Mexico		<input type="checkbox"/> 1 week																								
P O #		<input type="checkbox"/> 2 days																								
		<input type="checkbox"/> 1 day																								
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9056	Perchlorate 6860	TAL_Metal6010C/6020A/7470A Total	TAL_Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitability 1010	Sample Specific Notes:	
TB-01-102015	10/27/2015	09:00	grab	W	1	N																				Trip Blank
FW102015EQU001	10/27/2015	09:40	grab	W	18	Y	2	1	1	1	1	2	3	2		2	3									
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Ship For <u>60</u> days after invoice																										
Special Instructions/QC Requirements & Comments: O.S. 10/27/15 ^{10/28/15} 127 280710 Transfer (JW)																										
Relinquished by: <i>L. Hill</i>	Company: CH2M HILL	Date/Time: 10/27/15 15:00	Received by: <i>AGW</i>	Company: TAD	Date/Time: 0945 28Oct15																					
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:																					
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:																					



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Chain of Custody Record



280-76114 Chain of Custody



TestAmerica Laboratories, Inc.

Client Contact John Nance 6700 Jefferson Street NE Suite C3 Albuquerque, NM 87109 505 835 7660 PHONE		Project Manager: John Nance Tel: 505 835 7660		Site Contact: John Nance 505 321 7260 Lab Contact: Michelle Johnston		Date: 10/28/15 Carrier: Federal Express		COC No: FWDAOCT15-02 1 of 1 COCs																		
Analysis Turnaround Time Calendar (C) or Work Days (W) <u>W</u> TAT if different from Below <u>15</u> <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Job No.		SDG No.		Sample Specific Notes:																				
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 8066	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8016C C24-C36	TPH-DRO 8016C C10-C28	TPH-GRO 8016C C6-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitability 1010		
TB-02-102015	10/28/2015	09:00	grab	GW	1	N							1													Trip Blank
TB-03-102015	10/28/2015	09:05	grab	GW	1	N							1													Trip Blank
TMW16102015	10/28/2015	10:40	grab	GW	10	Y	2		1	1	1		3	2												
TMW19102015	10/28/2015	11:35	grab	GW	10	Y	2		1	1	1		3	2												
TMW37102015	10/28/2015	12:41	grab	GW	13	Y	2	1	1	1	1	2	3	2												
TMW36102015	10/28/2015	13:50	grab	GW	13	Y	2	1	1	1	1	2	3	2												
MW22S102015	10/28/2015	09:03	grab	GW	7	Y		1					3				3									Partial
TMW29102015	10/28/2015	09:48	grab	GW	9	Y	2	1	1	1	1		3													
TMW40S102015	10/28/2015	10:35	grab	GW	6	Y		1		1	1		3													Partial
MW02102015	10/28/2015	11:28	grab	GW	14	Y	2	1	1	1	1		3			2	3									Partial
MW01102015	10/28/2015	12:35	grab	GW	16	Y	2	1	1	1	1	2	3			2	3									
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other						Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Ship For <u>60</u> days after invoice														
Special Instructions/QC Requirements & Comments:																										
Relinquished by: L. Hill <i>YHill</i>		Company: CH2M HILL		Date/Time: 10/28/15 16:00		Received by: <i>Mayra Castro</i>		Company: <i>TE TADenver</i>		Date/Time: <i>10/29/15 9:35</i>		Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:				
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:				

*Transfer by me 0.5, 1.8, 2.1, 3.3, 4.7, 1.4
 no ER5 to ER7 to 10/28/15*

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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: John Nance		Site Contact: John Nance 505 321 7260		Date: 10/28/15		COC No: FWDAOCT15-02																											
John Nance		Tel: 505 835 7660		Lab Contact: Michelle Johnston		Carrier: Federal Express		1 of 1 COCs																											
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time		Filtered Sample Explosives 8330B Nitrate Nitrite 8066 Perchlorate 6860 TAL Metal6010C/6020A/7470A Total TAL Metal6010C/6020A/7470A Diss. Organochlorine Pesticides 8081A Volatile Organic Compounds 8260C Semivolatile Organics 8270D ORO 8016C C24-C36 TPH-DRO 8016C C10-C28 TPH-GRO 8015C C6-C10 TCLP VOCs 1311/8260B TCLP SVOCs 1311/8270D Metals 6010C/6020A dissolved TCLP Pesticides 1311/8081A TCLP Herbicides 1311/8151A pH 9045C Ignitability 1010		Job No.		SDG No.																											
Albuquerque, NM 87109		Calendar (C) or Work Days (W) <u>W</u>				Sample Specific Notes:																													
505 835 7660 PHONE		TAT if different from Below <u>15</u>																																	
Project Name: Fort Wingate		<input type="checkbox"/> 2 weeks																																	
Site: Fort Wingate, New Mexico		<input type="checkbox"/> 1 week																																	
P O #		<input type="checkbox"/> 2 days																																	
		<input type="checkbox"/> 1 day																																	
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 8066	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8016C C24-C36	TPH-DRO 8016C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitability 1010	Sample Specific Notes:										
TB-02-102015	10/28/2015	09:00	grab	GW	1	N							1													Trip Blank									
TB-03-102015	10/28/2015	09:05	grab	GW	1	N							1													Trip Blank									
TMW16102015	10/28/2015	10:40	grab	GW	10	Y	2		1	1	1		3	2																					
TMW19102015	10/28/2015	11:35	grab	GW	10	Y	2		1	1	1		3	2																					
TMW37102015	10/28/2015	12:41	grab	GW	13	Y	2	1	1	1	1	2	3	2																					
TMW36102015	10/28/2015	13:50	grab	GW	13	Y	2	1	1	1	1	2	3	2																					
MW22S102015	10/28/2015	09:03	grab	GW	7	Y		1					3			3										Partial									
TMW29102015	10/28/2015	09:48	grab	GW	9	Y	2	1	1	1	1		3													Partial									
TMW40S102015	10/28/2015	10:35	grab	GW	6	Y		1		1	1		3													Partial									
MW02102015	10/28/2015	11:28	grab	GW	14	Y	2	1	1	1	1		3			2	3									Partial									
MW01102015	10/28/2015	12:35	grab	GW	16	Y	2	1	1	1	1	2	3			2	3																		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																																			
Possible Hazard Identification						Sample Disposal																													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Ship For <u>60</u> days after invoice																													
Special Instructions/QC Requirements & Comments:																																			
Relinquished by: <i>L. Hill</i>						Company: CH2M HILL						Date/Time: 10/28/15 16:00						Received by: <i>M. [Signature]</i>						Company:						Date/Time: 10/28/15 9:35					
Relinquished by:						Company:						Date/Time:						Received by:						Company:						Date/Time:					
Relinquished by:						Company:						Date/Time:						Received by:						Company:						Date/Time:					

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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: John Nance				Site Contact: John Nance 505 321 7260				Date: 10/28/15				COC No: FWDAOCT15-02											
John Nance		Tel: 505 835 7860				Lab Contact: Michelle Johnston				Carrier: Federal Express				1 of 1 COCs											
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time																							
Albuquerque, NM 87109		Calendar (C) or Work Days (W) <u>W</u>																							
505 835 7860 PHONE		TAT if different from Below <u>15</u>																							
		<input type="checkbox"/> 2 weeks																							
		<input type="checkbox"/> 1 week																							
Project Name: Fort Wingate		<input type="checkbox"/> 2 days																							
Site: Fort Wingate, New Mexico		<input type="checkbox"/> 1 day																							
P O #																									
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9066	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatiles Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8016C C10-C28	TPH-GRO 8016C C6-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8161A	pH 9045C	Ignitability 1010	Sample Specific Notes:
TB-02-102015	10/28/2015	09:00	grab	GW	1	N																			Trip Blank
TB-03-102015	10/28/2015	09:05	grab	GW	1	N																			Trip Blank
TMW16102015	10/28/2015	10:40	grab	GW	10	Y	2		1	1	1														
TMW19102015	10/28/2015	11:35	grab	GW	10	Y	2		1	1	1														
TMW37102015	10/28/2015	12:41	grab	GW	13	Y	2	1	1	1	1	2	3	2											
TMW36102015	10/28/2015	13:50	grab	GW	13	Y	2	1	1	1	1	2	3	2											
MW22S102015	10/28/2015	09:03	grab	GW	7	Y		1					3				3								Partial
TMW29102015	10/28/2015	09:48	grab	GW	9	Y	2	1	1	1	1		3												Partial
TMW40S102015	10/28/2015	10:35	grab	GW	6	Y		1		1	1		3												Partial
MW02102015	10/28/2015	11:28	grab	GW	14	Y	2	1	1	1	1		3			2	3								Partial
MW01102015	10/28/2015	12:35	grab	GW	16	Y	2	1	1	1	1	2	3			2	3								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																									
Possible Hazard Identification						Sample Disposal																			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Ship For <u>60</u> days after invoice																			
Special Instructions/QC Requirements & Comments:																									
Relinquished by: <i>L. Hill</i>		Company: CH2M HILL				Date/Time: 10/28/15 16:00				Received by: <i>M. Ayra</i>				Company: <i>~</i>				Date/Time: 10/29/15 9:35							
Relinquished by:		Company:				Date/Time:				Received by:				Company:				Date/Time:							
Relinquished by:		Company:				Date/Time:				Received by:				Company:				Date/Time:							

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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact John Nance 6700 Jefferson Street NE Suite C3 Albuquerque, NM 87109 505 835 7660 PHONE		Project Manager: John Nance Tel: 505 835 7660		Site Contact: John Nance 505 321 7260		Date: 10/28/15		COC No: FWDAOCT15-02 1 of 1 COCs																											
Analysis Turnaround Time Calendar (C) or Work Days (W) <u>W</u> TAT if different from Below <u>15</u> <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: Michelle Johnston		Carrier: Federal Express		Job No.		SDG No.																											
Project Name: Fort Wingate		Site: Fort Wingate, New Mexico		P O #		Sample Specific Notes:																													
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9066	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8016C C24-C36	TPH-DRO 8016C C10-C28	TPH-GRO 8016C C6-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8161A	pH 9045C	Ignitability 1010	Sample Specific Notes:										
TB-02-102015	10/28/2015	09:00	grab	GW	1	N							1													Trip Blank									
TB-03-102015	10/28/2015	09:05	grab	GW	1	N							1													Trip Blank									
TMW16102015	10/28/2015	10:40	grab	GW	10	Y	2		1	1	1		3	2																					
TMW19102015	10/28/2015	11:35	grab	GW	10	Y	2		1	1	1		3	2																					
TMW37102015	10/28/2015	12:41	grab	GW	13	Y	2	1	1	1	1	2	3	2																					
TMW36102015	10/28/2015	13:50	grab	GW	13	Y	2	1	1	1	1	2	3	2																					
MW22S102015	10/28/2015	09:03	grab	GW	7	Y		1					3				3									Partial									
TMW29102015	10/28/2015	09:48	grab	GW	9	Y	2	1	1	1	1		3																						
TMW40S102015	10/28/2015	10:35	grab	GW	6	Y		1		1	1		3													Partial									
MW02102015	10/28/2015	11:28	grab	GW	14	Y	2	1	1	1	1		3			2	3									Partial									
MW01102015	10/28/2015	12:35	grab	GW	16	Y	2	1	1	1	1	2	3			2	3																		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																																			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Ship For <u>60</u> days after invoice																													
Special Instructions/QC Requirements & Comments:																																			
Relinquished by: <u>L Hill</u> <u>J Hill</u>						Company: CH2M HILL						Date/Time: 10/28/15 16:00						Received by: <u>Mayra Castro</u>						Company:						Date/Time: <u>10/29/15 9:35</u>					
Relinquished by:						Company:						Date/Time:						Received by:						Company:						Date/Time:					
Relinquished by:						Company:						Date/Time:						Received by:						Company:						Date/Time:					

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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact John Nance 6700 Jefferson Street NE Suite C3 Albuquerque, NM 87109 505 835 7660 PHONE		Project Manager: John Nance Tel: 505 835 7660		Site Contact: John Nance 505 321 7260 Lab Contact: Michelle Johnston		Date: 10/28/15 Carrier: Federal Express		COC No: FWDAOCT15-02 1 of 1 COCs																		
Analysis Turnaround Time Calendar (C) or Work Days (W) <u>W</u> TAT if different from Below <u>15</u> <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Project Name: Fort Wingate Site: Fort Wingate, New Mexico P O #		Job No.		SDG No.																				
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 8066	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8161A	pH 9045C	Ignitability 1010	Sample-Specific Notes:	
TB-02-102015	10/28/2015	09:00	grab	GW	1	N							1													Trip Blank
TB-05-102015	10/28/2015	09:05	grab	GW	1	N							1													Trip Blank
TMW16102015	10/28/2015	10:40	grab	GW	10	Y	2		1	1	1		3	2												
TMW19102015	10/28/2015	11:35	grab	GW	10	Y	2		1	1	1		3	2												
TMW37102015	10/28/2015	12:41	grab	GW	13	Y	2	1	1	1	1	2	3	2												
TMW36102015	10/28/2015	13:50	grab	GW	13	Y	2	1	1	1	1	2	3	2												
MW22S102015	10/28/2015	09:03	grab	GW	7	Y		1					3				3									Partial
TMW29102015	10/28/2015	09:48	grab	GW	9	Y	2	1	1	1	1		3													Partial
TMW40S102015	10/28/2015	10:35	grab	GW	6	Y		1		1	1		3													Partial
MW02102015	10/28/2015	11:28	grab	GW	14	Y	2	1	1	1	1		3			2	3									Partial
MW01102015	10/28/2015	12:35	grab	GW	16	Y	2	1	1	1	1	2	3			2	3									
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																										
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Ship For <u>60</u> days after invoice.																				
Special Instructions/QC Requirements & Comments:																										
Relinquished by: <i>L. Hill</i>		Company: CH2M HILL		Date/Time: 10/28/15 16:00		Received by: <i>M. Arasoto</i>		Company:		Date/Time: 10/29/15 935																
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																

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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact John Nance 6700 Jefferson Street NE Suite C3 Albuquerque, NM 87109 505 835 7660 PHONE		Project Manager: John Nance Tel: 505 835 7660		Site Contact: John Nance 505 321 7260 Lab Contact: Michelle Johnston		Date: 10/28/15 Carrier: Federal Express		COC No: FWDAOCT15-02 1 of 1 COCs																					
Project Name: Fort Wingate Site: Fort Wingate, New Mexico PO:		Analysis Turnaround Time Calendar (C) or Work Days (W) W TAT if different from Below 15 <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Job No.		SDG No.		Sample Specific Notes:																					
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9056	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C8-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 8045C	Ignitability 1010					
TB-02-102015	10/28/2015	09:00	grab	GW	1	N																				Trip Blank			
TB-03-102015	10/28/2015	09:05	grab	GW	1	N																				Trip Blank			
TMW16102015	10/28/2015	10:40	grab	GW	10	Y	2		1	1	1																		
TMW19102015	10/28/2015	11:35	grab	GW	10	Y	2		1	1	1																		
TMW37102015	10/28/2015	12:41	grab	GW	13	Y	2	1	1	1	1	2	3	2															
TMW36102015	10/28/2015	13:50	grab	GW	13	Y	2	1	1	1	1	2	3	2															
MW22S102015	10/28/2015	09:03	grab	GW	7	Y		1										3									Partial		
TMW29102015	10/28/2015	09:48	grab	GW	9	Y	2	1	1	1	1																		
TMW40S102015	10/28/2015	10:35	grab	GW	6	Y		1		1	1																Partial		
MW02102015	10/28/2015	11:28	grab	GW	14	Y	2	1	1	1	1							2	3								Partial		
MW01102015	10/28/2015	12:35	grab	GW	16	Y	2	1	1	1	1	2	3					2	3										
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																													
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Ship For 60 days after invoice																							
Special Instructions/QC Requirements & Comments:																													
Relinquished by: L. Hill		Company: CH2M HILL		Date/Time: 10/28/15 16:00		Received by: M. Morales		Company:		Date/Time: 10/29/15 9:35																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																			

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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact John Nance 8210 Louisiana Blvd. NE Suite C Albuquerque, NM 87113 505 835 7660 PHONE		Project Manager: John Nance Tel: 505 835 7660		Site Contact: John Nance 505 321 7260 Lab Contact: Michelle Johnston		Date: 10/29/15 Carrier: Federal Express		COC No: FWDA-PR15-028 1 of 2 COCs																	
Project Name: Fort Wingate Site: Fort Wingate, New Mexico P O #		Analysis Turnaround Time Calendar (C) or Work Days (W) W TAT if different from Below 15 <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered-Sample Explosives 8330B Nitrate Nitrite 9056 Perchlorate 6860 TAL Metals 6010C/6020A/7470A Total TAL Metals 6010C/6020A/7470A Diss. Organochlorine Pesticides 8081A Volatile Organic Compounds 8260C Semivolatile Organics 8270D ORO 8016C C24-C36 TPH-GRO 8016C C6-C10 TCLP VOCs 1311/8260B TCLP SVOCs 1311/8270D Metals 6010C/6020A dissolved TCLP Pesticides 1311/8081A TCLP Herbicides 1311/8151A pH 9045C Ignitability 1010		Barcode 280-76166 Chain of Custody																			
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered-Sample	Explosives 8330B	Nitrate Nitrite 9056	Perchlorate 6860	TAL Metals 6010C/6020A/7470A Total	TAL Metals 6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8016C C24-C36	TPH-GRO 8016C C6-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitability 1010	Sample Specific Notes:	
TMW 405 10 2015	10/29/15	821	G	GW	3	2							1												Partial
MW 225 10 2015	10/29/15	911			2			1	1																Partial
MW 02 10 2015	10/29/15	950			5						2				3										Complete
MW 01 10 2015	10/29/15	1010			3										3										Complete
TMW 22 10 2015	10/29/15	1159			13	2	1	1	1	32					3										Partial
TMW 46 10 2015		1300			13	2	1	1	1	232															Complete
TB-04 -10 2015		0900			1							1													1 VOCs
TB-05 -10 2015		0905			1							1													GRO
TMW 44 10 2015		0910			13	2	1	1	1	232															
TMW 395 10 2015		1010			13	2	1	1	1	232															
TMW 315 10 2015		1100			13	2	1	1	1	232															
TMW 30 10 2015		1205			13	2	1	1	1	232															
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other																									
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For 60 days after invoice																			
Special Instructions/QC Requirements & Comments:																									
Relinquished by: [Signature]		Company: CH2M Hill		Date/Time: 10/29/15 1600		Received by: [Signature]		Company: JAD		Date/Time: 10/30/15 940															
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:															
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:															

0.0, 2.1, 0.5, 0.4, 0.4, 0.5, 1.0, 0.1, 0.4 to 0.0 IR# 7 DW 10/30/15

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Chain of Custody Record

FWDAOCT15-03



TestAmerica Laboratories, Inc.

Client Contact John Nance 8210 Louisiana Blvd. NE Suite C Albuquerque, NM 87113 505 835 7660 PHONE		Project Manager: John Nance Tel: 505 835 7660		Site Contact: John Nance 505 321 7260		Date: 10/29/15		COC No: FWDAAPR15-028																					
Albuquerque, NM 87113		Analysis Turnaround Time Calendar (C) or Work Days (W) <u>W</u>		Lab Contact: Michelle Johnston		Carrier: Federal Express		12 of 2 COCs																					
505 835 7660 PHONE		TAT if different from Below <u>15</u>		Explosives 8330B		Nitrate Nitrite 9056		Job No.																					
Project Name: Fort Wingate		<input type="checkbox"/> 2 weeks		Pychlorate 6860		TAL Metal6010C/6020A/7470A Total		SDG No.																					
Site: Fort Wingate, New Mexico		<input type="checkbox"/> 1 week		TAL Metal6010C/6020A/7470A Diss.		Organochlorine Pesticides 8081A																							
P O #		<input type="checkbox"/> 2 days		Volatile Organic Compounds 8260C		Semivolatile Organics 8270D																							
		<input type="checkbox"/> 1 day		ORO 8015C C24-C36		TPH-DRO 8015C C10-C28																							
				TPH-GRO 8015C C6-C10		TCLP VOCs 1311/8260B																							
				TCLP SVOCs 1311/8270D		Metals 6010C/6020A dissolved																							
				TCLP Pesticides 1311/8081A		TCLP Herbicides 1311/8151A																							
				pH 9045C		Ignitibility 1010																							
								Sample Specific Notes:																					
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9056	Pychlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitibility 1010					
TMW 18102015	10/29	1320	G	GW	11		2	1	1	1	3	2																	
TMW 41 102015	10/29	1042	↓	↓	3		2	1	1	1	2	3	2																
TMW 20102015	10/29	1305	↓	↓	9		2	1	1	1	3																		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																													
Possible Hazard Identification						Sample Disposal																							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <u>60</u> days after invoice																							
Special Instructions/QC Requirements & Comments:																													
Relinquished by: <i>J. Hill</i>					Company: CH2M Hill					Date/Time: 10/29/15 11:00					Received by: <i>[Signature]</i>					Company: <i>[Signature]</i>					Date/Time: 10/30/15 9:40				
Relinquished by:					Company:					Date/Time:					Received by:					Company:					Date/Time:				
Relinquished by:					Company:					Date/Time:					Received by:					Company:					Date/Time:				

TestAmerica Denver
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Chain of Custody



280-76216 Chain of Custody



TestAmerica Laboratories, Inc.


Client Contact		Project Manager: John Nance		Site Contact: John Nance 505 321 7260		Date: 10/30/15		COC No: FWDAOCT15-04																					
John Nance		Tel: 505 835 7660		Lab Contact: Michelle Johnston		Carrier: Federal Express		1 of 1 COCs																					
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time		Filtered Sample Explosives 8330B Nitrate Nitrite 9056 Perchlorate 6860 TAL Metal6010C/6020A/7470A Total TAL Metal6010C/6020A/7470A Diss. Organochlorine Pesticides 8081A Volatile Organic Compounds 8260C Semivolatile Organics 8270D ORO 8015C C24-C36 TPH-DRO 8015C C10-C28 TPH-GRO 8015C C6-C10 TCLP VOCs 1311/8260B EDB 8011 TCLP SVOCs 1311/8270D Metals 6010C/6020A dissolved TCLP Pesticides 1311/8081A TCLP Herbicides 1311/8151A pH 9045C Ignitibility 1010		Calendar (C) or Work Days (W) <u>W</u>		Job No.																					
Albuquerque, NM 87109		TAT if different from Below <u>15</u>				SDG No.																							
505 835 7660 PHONE		<input type="checkbox"/> 2 weeks																											
Project Name: Fort Wingate		<input type="checkbox"/> 1 week																											
Site: Fort Wingate, New Mexico		<input type="checkbox"/> 2 days																											
P O #		<input type="checkbox"/> 1 day																											
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9056	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	EDB 8011	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitibility 1010	Sample Specific Notes:			
TB-06-102015	10/30/2015	08:00	Grab	GW	1	N							1														Trip Blank		
TB-07-102015	10/30/2015	08:05	Grab	GW	1	N											1										Trip Blank		
MW03102015	10/30/2015	09:10	Grab	GW	17	Y	2	1	1	1	1		3				2	3	3										
TMW26102015	10/30/2015	11:15	Grab	GW	9	Y	2	1	1	1	1		3																
DTW26102015	10/30/2015	11:15	Grab	GW	9	Y	2	1	1	1	1		3																
TMW26102015MS	10/30/2015	11:15	Grab	GW	9	Y	2	1	1	1	1		3														Matrix Spike		
TMW26102015MSD	10/30/2015	11:15	Grab	GW	9	Y	2	1	1	1	1		3														Matrix Spike Duplicate		
TMW27102015	10/30/2015	13:15	Grab	GW	6	Y			1	1	1		3														Partial		
MW22S102015	10/30/2015	08:02	Grab	GW	3	Y	2			1																			
TMW40S102015	10/30/2015	08:55	Grab	GW	2	Y			1			1															Complete; 1 Amber for pesticides. MW dry		
TMW22102015	10/30/2015	09:20	Grab	GW	1	Y		1																			Complete		
TMW23102015	10/30/2015	09:43	Grab	GW	11	Y	2	1	1	1	1	2	3														Complete		
TMW33102015	10/30/2015	11:20	Grab	GW	16	Y		1		1	1	3	2			2	3		3								Complete		
BGMW03102015	10/30/2015	12:30	Grab	GW	13	Y	2	1	1	1	1	2	3	2													Complete		
TMW07102015	10/30/2015	12:10	Grab	GW	10	Y	2	1		1	1		3	2															
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																													
Possible Hazard Identification						Sample Disposal																							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab And <input checked="" type="checkbox"/> For 60 days after invoice																							
Special Instructions/QC Requirements & Comments:						1,2,3,0,0,4,0,3,1,1,0,4 IR 740.0 SW 310 ct 15																							
Relinquished by: L.Hill L.Hill		Company: CH2M HILL		Date/Time: 10/30/15 16:00		Received by: [Signature]		Company: TAD		Date/Time: 0900 30-310-ct 15																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																			

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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: John Nance		Site Contact: John Nance 505 321 7260		Date: 11/2/15		COC No: FWDAOCT15-05																											
John Nance		Tel: 505 835 7660		Lab Contact: Michelle Johnston		Carrier: Federal Express		1 of 1 COCs																											
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time		Filtered Sample Explosives 8330B Nitrate Nitrite 9056 Perchlorate 8880 TAL Metal6010C/6020A/7470A Total TAL Metal6010C/6020A/7470A Diss. Organochlorine Pesticides 8081A Volatile Organic Compounds 8260C Semivolatile Organics 8270D ORO 8015C C24-C36 TPH-DRO 8015C C10-C28 TPH-GRO 8015C C6-C10 TCLP VOCs 1311/8260B EDB 8011 TCLP SVOCs 1311/8270D Metals 6010C/6020A dissolved TCLP Pesticides 1311/8081A TCLP Herbicides 1311/8151A pH 8046C Ignitability 1010		Calendar (C) or Work Days (W) <u>W</u>		Job No.																											
Albuquerque, NM 87109		TAT if different from Below <u>15</u>				 280-76268 Chain of Custody																													
505 835 7660 PHONE		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day																																	
Project Name: Fort Wingate																																			
Site: Fort Wingate, New Mexico																																			
P O #																																			
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9056	Perchlorate 8880	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	EDB 8011	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 8046C	Ignitability 1010	Sample Specific Notes:									
TB-08-102015	11/2/2015	08:00	Grab	GW	1	N																					Trip Blank								
TB-09-102015	11/2/2015	08:05	Grab	GW	1	N																					Trip Blank								
FW31102015EQU002	11/2/2015	09:30	Grab	GW	15	Y	2	1		1	1	2	3	2																					
FW31102015	11/2/2015	11:05	Grab	GW	12	Y	2	1		1	1	2	3	2																					
MW18D102015	11/2/2015	12:30	Grab	GW	17	Y	2	1	1	1	1					2	3																		
TMW35102015	11/2/2015	09:55	Grab	GW	19	Y		1	1	1	1	2	3	2		2	3																		
MW22S102015	11/2/2015	11:15	Grab	GW	1	Y								1														Partial. Well Dry after 1 Liter.							
MW22D102015	11/2/2015	12:10	Grab	GW	21	Y	2	1	1	1	1	2	3	2		2	3																		
MW20102015	11/2/2015	10:30	Grab	GW	21	Y	2	1	1	1	1	2	3	2		2	3																		
DMW20102015	11/2/2015	10:30	Grab	GW	21	Y	2	1	1	1	1	2	3	2		2	3																		
MW20102015MS	11/2/2015	10:30	Grab	GW	21	Y	2	1	1	1	1	2	3	2		2	3											Matrix Spike							
MW20102015MSD	11/2/2015	10:30	Grab	GW	21	Y	2	1	1	1	1	2	3	2		2	3											Matrix Spike Duplicate							
			Grab	GW		Y																													
			Grab	GW		Y																													
			Grab	GW		Y																													
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																																			
Possible Hazard Identification						Sample Disposal																													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab And <input checked="" type="checkbox"/> For <u>60</u> days after invoice																													
Special Instructions/QC Requirements & Comments:																																			
Relinquished by: <u>L.Hill J.Hill</u>						Company: CH2M HILL						Date/Time: 11/2/15 16:00						Received by: <u>[Signature]</u>						Company: <u>U40</u>						Date/Time: 11/3/15 920					
Relinquished by:						Company:						Date/Time:						Received by:						Company:						Date/Time:					
Relinquished by:						Company:						Date/Time:						Received by:						Company:						Date/Time:					

2.2, 0.7, 1.7, 0.3, 1.9, 3.1, 1.6, 0.6, 1.5, 0.6, 2.6 + 0.0 DR# 70W 11/3/15

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Chain of Custody Record



280-76331 Chain of Custody



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: John Nance		Site Contact: John Nance 505 321 7260		Date: 11/3/15		COC No: FWDAOCT15-06																											
John Nance		Tel: 505 835 7660		Lab Contact: Michelle Johnston		Carrier: Federal Express		1 of 1 COCs																											
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time		Filtered Sample Explosives 8330B Nitrate Nitrite 9066 Perchlorate 6860 TAL Metal(6010C/6020A/7470A Total TAL Metal(6010C/6020A/7470A Diss. Organochlorine Pesticides 8081A Volatile Organic Compounds 8260C Semivolatile Organics 8270D ORO 8016C C24-C36 TPH-DRO 8016C C10-C28 TPH-GRO 8016C C6-C10 TCLP VOCs 1311/8260B EDB 8011 TCLP SVOCs 1311/8270D Metals 6010C/6020A dissolved TCLP Pesticides 1311/8081A TCLP Herbicides 1311/8151A pH 8046C Ignitability 1010		Job No.																													
Albuquerque, NM 87109		Calendar (C) or Work Days (W) W				SDG No.																													
505 835 7660 PHONE		TAT if different from Below 15																																	
Project Name: Fort Wingate		2 weeks																																	
Site: Fort Wingate, New Mexico		1 week																																	
P O #		2 days																																	
		1 day																																	
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Explosives 8330B	Nitrate Nitrite 9066	Perchlorate 6860	TAL Metal(6010C/6020A/7470A Total	TAL Metal(6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8016C C24-C36	TPH-DRO 8016C C10-C28	TPH-GRO 8016C C6-C10	TCLP VOCs 1311/8260B	EDB 8011	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 8046C	Ignitability 1010	Sample Specific Notes:										
TB-10-102015	11/3/2015	08:00	Grab	GW	1	N																			Trip Blank										
TB-11-102015	11/3/2015	08:05	Grab	GW	1	N																			Trip Blank										
TMW43102015	11/3/2015	09:50	Grab	GW	13	Y	2	1	1	1	2	3	2																						
DTW43102015	11/3/2015	09:50	Grab	GW	13	Y	2	1	1	1	2	3	2																						
TMW43102015MS	11/3/2015	09:50	Grab	GW	13	Y	2	1	1	1	2	3	2																						
TMW43102015MSD	11/3/2015	09:50	Grab	GW	13	Y	2	1	1	1	2	3	2																						
TMW45102015	11/3/2015	12:50	Grab	GW	13	Y	2	1	1	1	2	3	2																						
MW22S102015	11/3/2015	07:41	Grab	GW	1	Y									1											Partial. Well dry									
TMW40D102015	11/3/2015	09:00	Grab	GW	13	Y	2	1	1	1	2	3	2																						
TMW17102015	11/3/2015	10:20	Grab	GW	7	Y		1	1	1	3																								
TMW14A102015	11/3/2015	12:00	Grab	GW	10	Y	2	1	1	1	3	2																							
SMW01102015	11/3/2015	09:10	Grab	GW	11	Y	2	1	1	1	3	2																							
TMW34102015	11/3/2015	11:30	Grab	GW	15	Y		1	1	1	3			2	3			3																	
DTW34102015	11/3/2015	11:30	Grab	GW	15	Y		1	1	1	3			2	3			3																	
TMW02102015	11/3/2015	13:40	Grab	GW	9	Y	2	1	1	1	3																								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																																			
Possible Hazard Identification						Sample Disposal																													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab And <input checked="" type="checkbox"/> For 60 days after invoice																													
Special Instructions/QC Requirements & Comments:																																			
Relinquished by: L. Hill J. Hill						Company: CH2M HILL						Date/Time: 11/3/15 16:00						Received by: Mayra Soto						Company:						Date/Time: 11/04/15 9:35					
Relinquished by:						Company:						Date/Time:						Received by:						Company:						Date/Time:					
Relinquished by:						Company:						Date/Time:						Received by:						Company:						Date/Time:					

IR 7 to 0 up 4/15 Transfer by MS 0.5, 0.4, 0.2, 0.4, 0.5, 3.5, 0.9, 1.4, 0.3, 0.4

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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: John Nance		Site Contact: John Nance 505 321 7260		Date: 11/4/15		COC No: FWDAOCT15-07																					
John Nance		Tel: 505 835 7660		Lab Contact: Michelle Johnston		Carrier: Federal Express		1 of 1 COCs																					
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time								Job No.																			
Albuquerque, NM 87109		Calendar (C) or Work Days (W) <u>W</u>								SDG No.																			
505 835 7660 PHONE		TAT if different from Below <u>15</u>																											
Project Name: Fort Wingate		<input type="checkbox"/> 2 weeks																											
Site: Fort Wingate, New Mexico		<input type="checkbox"/> 1 week																											
P O #		<input type="checkbox"/> 2 days																											
		<input type="checkbox"/> 1 day																											
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate 9056	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	EDB 8011	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitibility 1010	Sample Specific Notes:			
TB-12-102015	11/4/2015	08:00	Grab	GW	1	N							1														Trip Blank		
TB-13-102015	11/4/2015	08:05	Grab	GW	1	N										1											Trip Blank		
TMW13102015	11/4/2015	10:05	Grab	GW	7	Y		1	1	1	1		3																
TMW01102015	11/4/2015	11:05	Grab	GW	9	Y	2	1	1	1	1		3																
TMW10102015	11/4/2015	13:00	Grab	GW	9	Y	2	1	1	1	1		3																
TMW25102015	11/4/2015	13:30	Grab	GW	8	Y	2	1	1	1	1		3																
TMW03102015	11/4/2015	10:00	Grab	GW	11	Y	2	1	1	1	1		3	2															
TMW39D102015	11/4/2015	12:00	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
TMW11102015	11/4/2015	13:25	Grab	GW	5	Y			1	1			3														Partial		
MW22S102015	11/4/2015	08:10	Grab	GW	1	Y						1															Complete		
TMW06102015	11/4/2015	09:05	Grab	GW	10	Y	2	1		1	1		3	2															
TMW04102015	11/4/2015	11:05	Grab	GW	11	Y	2	1	1	1	1		3	2															
TMW48102015	11/4/2015	1:05	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
TMW28102015	11/3/2015	16:20	Grab	GW		Y				1	1		3																
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																													
Possible Hazard Identification						Sample Disposal																							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab Arr <input checked="" type="checkbox"/> For 60 days after invoice																							
Special Instructions/QC Requirements & Comments:						1.2, 1.7, 0.4, 0.2, 4.3, 2.6, 11.7, 10.0 05 Nov 15 Transfer (JW)																							
Relinquished by: L. Hill		Company: CH2M HILL		Date/Time: 11/4/15 16:00		Received by: [Signature]		Company: TAD		Date/Time: 0940 05 Nov 15																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																			



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Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: John Nance		Site Contact: John Nance 505 321 7260		Date: 11/5/15		COC No: FWDAOCT15-08																					
John Nance		Tel: 505 835 7660		Lab Contact: Michelle Johnston		Carrier: Federal Express		1 of 1 COCs																					
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time		Filtered Sample Explosives 8330B Nitrate Nitrite 9056 Perchlorate 6860 TAL Metal6010C/6020A/7470A Total TAL Metal6010C/6020A/7470A Diss. Organochlorine Pesticides 8081A Volatile Organic Compounds 8280C Semivolatile Organics 8270D ORO 8015C C24-C36 TPH-DRO 8015C C10-C28 TPH-GRO 8015C C6-C10 TCLP VOCs 1311/8260B EDB 8011 TCLP SVOCs 1311/8270D Metals 6010C/6020A dissolved TCLP Pesticides 1311/8081A TCLP Herbicides 1311/8151A pH 9045C Ignitibility 1010		Job No.																							
Albuquerque, NM 87109		Calendar (C) or Work Days (W) <u>W</u>				SDG No.																							
505 835 7660 PHONE		TAT if different from Below <u>15</u>																											
Project Name: Fort Wingate		<input type="checkbox"/> 2 weeks																											
Site: Fort Wingate, New Mexico		<input type="checkbox"/> 1 week																											
P O #		<input type="checkbox"/> 2 days																											
		<input type="checkbox"/> 1 day																											
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9056	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8280C	Semivolatile Organics 8270D	ORO 8015C C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	EDB 8011	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitibility 1010	Sample Specific Notes:			
TB-14-102015	11/5/2015	08:00	Grab	GW	1	N																					Trip Blank		
TB-15-102015	11/5/2015	08:05	Grab	GW	1	N																					Trip Blank		
TMW49102015	11/5/2015	09:10	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
TMW31D102015	11/5/2015	11:25	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
DTW31D102015	11/5/2015	11:25	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
TMW08102015	11/5/2015	13:10	Grab	GW	14	Y		1	1	1	1	2	3			2	3												
MW24102015	11/5/2015	11:40	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
TMW32102015	11/5/2015	15:00	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
BGMW01102015	11/5/2015	09:00	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
BGMW02102015	11/5/2015	10:50	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
TMW11102015	11/5/2015	12:40	Grab	GW	4	Y	2	1			1																		
TMW47102015	11/5/2015	13:40	Grab	GW	13	Y	2	1	1	1	1	2	3	2															
						Y																							
						Y																							
						Y																							
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																													
Possible Hazard Identification						Sample Disposal																							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab Arr <input checked="" type="checkbox"/> For <u>60</u> days after invoice																							
Special Instructions/QC Requirements & Comments:						(1,3,3,3,1,2,2,1,0,1,1,1,2,1,1,7,3,4 1270.0 @ 11/5/15																							
Relinquished by: L.H.H. Y.Hill		Company: CH2M HILL		Date/Time: 11/5/15 16:00		Received by: [Signature]		Company: [Signature]		Date/Time: 09:55 7/Nov/15																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																			
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																			



TestAmerica Denver
 4955 Yarrow Street
 Arvada, CO 80002
 phone 303-736-0100 fax 303-431-7171

Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact		Project Manager: John Nance		Site Contact: John Nance 505 321 7260		Date: 11/6/15		COC No: FWDAOCT15-09																				
John Nance		Tel: 505 835 7660		Lab Contact: Michelle Johnston		Carrier: Federal Express		1 of 1 COCs																				
6700 Jefferson Street NE Suite C3		Analysis Turnaround Time		Filtered Sample Explosives 8330B Nitrate Nitrite 9056 Perchlorate 6860 TAL Metal6010C/6020A/7470A Total TAL Metal6010C/6020A/7470A Diss. Organochlorine Pesticides 8081A Volatile Organic Compounds 8260C Semivolatile Organics 8270D ORO 8015C, C24-C36 TPH-DRO 8015C C10-C28 TPH-GRO 8015C C6-C10 TCLP VOCs 1311/8260B EDB 8011 TCLP SVOCs 1311/8270D Metals 6010C/6020A dissolved TCLP Pesticides 1311/8081A TCLP Herbicides 1311/8151A pH 9045C Ignitability 1010		Job No.		SDG No.																				
Albuquerque, NM 87109		Calendar (C) or Work Days (W) <u>W</u>				Sample Specific Notes:																						
505 835 7660 PHONE		TAT if different from Below <u>15</u>																										
Project Name: Fort Wingate		<input type="checkbox"/> 2 weeks																										
Site: Fort Wingate, New Mexico		<input type="checkbox"/> 1 week																										
P O #		<input type="checkbox"/> 2 days																										
<input type="checkbox"/> 1 day																												
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Explosives 8330B	Nitrate Nitrite 9056	Perchlorate 6860	TAL Metal6010C/6020A/7470A Total	TAL Metal6010C/6020A/7470A Diss.	Organochlorine Pesticides 8081A	Volatile Organic Compounds 8260C	Semivolatile Organics 8270D	ORO 8015C, C24-C36	TPH-DRO 8015C C10-C28	TPH-GRO 8015C C6-C10	TCLP VOCs 1311/8260B	EDB 8011	TCLP SVOCs 1311/8270D	Metals 6010C/6020A dissolved	TCLP Pesticides 1311/8081A	TCLP Herbicides 1311/8151A	pH 9045C	Ignitability 1010			
TB-16-102015	11/6/2015	08:00	Grab	GW	1	N							1														Trip Blank	
TB-17-102015	11/6/2015	08:05	Grab	GW	1	N											1										Trip Blank	
TMW38102015	11/6/2015	10:00	Grab	GW	13	Y	2	1	1	1	1	2	3	2														
MW23102015	11/6/2015	08:35	Grab	GW	13	Y	2	1	1	1	1	2	3	2														
DMW23102015	11/6/2015	08:35	Grab	GW	13	Y	2	1	1	1	1	2	3	2														
MW23102015MS	11/6/2015	08:35	Grab	GW	13	Y	2	1	1	1	1	2	3	2														
MW23102015MSD	11/6/2015	08:35	Grab	GW	13	Y	2	1	1	1	1	2	3	2														
TMW15102015	11/6/2015	09:05	Grab	GW	11	Y	2	1	1	1	1	3	2															
DTW15102015	11/6/2015	09:05	Grab	GW	11	Y	2	1	1	1	1	3	2															
TMW24102015	11/6/2015	11:35	Grab	GW	11	Y	2	1	1	1	1	3	2															
						Y																						
						Y																						
						Y																						
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other																												
Possible Hazard Identification						Sample Disposal																						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab And <input checked="" type="checkbox"/> For <u>60</u> days after invoice																						
Special Instructions/QC Requirements & Comments:																												
3.3, 1.7, 8.8, 2.1, 0.4, 0.1, 1.4 12501 @ 07 Nov 15																												
Relinquished by: L. Hill	Company: CH2M HILL	Date/Time: 11/6/15 16:00	Received by: <i>[Signature]</i>	Company: TAD	Date/Time: 8:45 7 Nov 15																							
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:																							
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:																							

