Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106001
Project No: 6360401
Samplers: D. Schmeelk G. Begaye
Date: 10-30-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 511.78 ft MRP
SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 486.28 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 511.28 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857 & 4838
IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.1 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 467.34 ft MRP
Depth to Water (DTW): 468.69 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-~~910~~ 710

Non-Dedicated Pump Depth: 488.26 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	~~Solinst~~ Geotech 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW001-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW001-604
Sampling Medium: Water
COC#: COC-001-204

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106001

Purge Information and Field Parameter Date: 10-30-2020

Purge Start Time: 1123 Purge Rate: 0.700 L/min X 0.265 = 0.1855 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 18.94 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**467.34**	**0.79**	**16.9**	**------**	**3.75**	**514.4**	**7.3**	**155.1**
1125	468.69	29.3	19.6	106.3	9.70	263.6	8.06	219.5
1130	468.69	12.0	19.7	60.0	5.47	301.0	7.71	224.0
1135	468.69	7.32	19.6	36.9	3.33	322.9	7.65	218.2
1140	468.69	6.19	19.7	28.2	2.56	322.4	7.63	214.2
1145	468.69	5.98	19.8	24.7	2.23	321.1	7.62	210.9
1150	468.70	4.95	19.9	23.0	2.10	320.7	7.61	209.1
1155	468.69	4.30	19.8	21.6	1.97	320.3	7.62	206.7
1200	468.69	4.78	19.8	21.2	1.94	322.2	7.60	205.6

Sample Time: 1203 Sample Date: 10-30-2020

Purge End Time: 1208 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schueelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~8.4~~
2	13.5
Total	~~8.4~~ 13.5

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106002
Project No: 6360401
Samplers: D. Schwegle
Date: 10-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 507.39 ft MRP
Top of Screen: 481.39 ft MRP
Bottom of Screen: 506.39 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 464.4 ft MRP
Depth to Water (DTW): 465.29 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW002-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW002-604
Sampling Medium: Water
COC#: COC-002-204

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106002

Purge Information and Field Parameter Date: 10-20-2020

Purge Start Time: 1329 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 16.99 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**464.4**	**0.28**	**18.2**	**------**	**6.94**	**519.5**	**7.71**	**119.9**
1335	465.31	0.44	18.7	76.9	7.13	430.2	7.74	346.4
1340	465.31	0.36	18.4	73.6	6.84	429.3	7.64	342.5
1345	465.31	0.19	18.4	72.5	6.78	428.5	7.53	340.6
1350	465.31	0.27	18.6	71.7	6.72	431.7	7.46	339.4
Sampled								

Sample Time: 1356 Sample Date: 10-20-2020

Purge End Time: 1358 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-13-2020

Well ID: KAFB-106003
Samplers: D. Schmeak, R. Witter
Crew Signature: [illegible], [illegible]

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 506.00 ft MRP
Top of Screen: 479.00 ft MRP
Bottom of Screen: 504.00 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 462.1 ft MRP
Depth to Water (DTW): 463.12 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18078-710

Non-Dedicated Pump Depth: 481.00 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW003-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW003-604
Sampling Medium: Water
COC#: COC-003-204

Reviewed by: [illegible] Initials: [illegible] Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106003

Purge Information and Field Parameter Date: 10-13-2020

Purge Start Time: 0740 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 16.90 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	462.1	0.96	17.1	-------	6.5	867	7.85	159.8
0745	463.12	1.85	17.2	104.6	10.6	955	7.84	394.9
0750	463.11	0.86	17.6	95.3	9.03	988	7.81	398.9
0755	463.11	0.81	17.8	89.3	8.52	977	7.80	406.7
0800	463.11	1.49	17.9	89.9	8.52	983	7.80	412.0
Sampled								

Sample Time: 0803 Sample Date: 10-13-2020

Purge End Time: 0809 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	11 gallons
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-14-2020

Well ID: KAFB-106004
Samplers: D. Schmeelk, R. Wittles
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 512.74 ft MRP
Top of Screen: 486.74 ft MRP
Bottom of Screen: 511.74 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 468.11 ft MRP
Depth to Water (DTW): 469.09 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 488.74 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW004-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW004-604
Sampling Medium: Water
COC#: COC-004-204

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106004

Purge Information and Field Parameter Date: 10-14-2020

Purge Start Time: 1011 Purge Rate: 0.840 L/min X 0.265 = 0.2226 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 18.63 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	468.11	2.72	19.7	-------	7.62	548.2	7.78	-7.5
1015	469.11	1.13	19.4	98.6	9.03	467.7	7.97	339.2
1020	469.11	0.42	19.3	79.4	7.24	485.1	7.73	336.6
1025	469.11	0.88	19.6	67.0	6.19	486.5	7.73	333.9
1030	469.11	0.46	19.7	64.3	5.88	486.4	7.72	333.1
1035	469.11	0.59	19.7	63.8	5.83	484.1	7.73	332.1
Sampled								

Sample Time: 1039 Sample Date: 10-14-2020

Purge End Time: 1043 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	12.5 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106005
Project No: 6360401
Samplers: A. Rosebrough, O. Schmeelk, G. Bagage
Date: 10/23/2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 508.87 ft MRP
SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 481.87 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 506.87 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: ~~Pending Analysis Yard~~ 90-day Hazardous Waste Area
IDW Label: White Pending Analysis

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 15.7 ppm

LNAPL Present (circle one)? (Yes) No
LNAPL Thickness: 0.09* ft
LNAPL NOT observed during last gauging event: 7/23/2020
Bailed down to 0.00 before lowering pump

Previous Depth to water: 469.34 ft MRP
Depth to Water (DTW): 470.60 **ft MRP**

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-902

Non-Dedicated Pump Depth: ~~479.87~~ 483.87 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: WH0003 ~~WH00~~
PID: MiniRAE 3000 — Serial No: WH0004
Water Level Meter: Solinst 500 ft — Serial No: ~~WH0012~~ 253056
Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW005-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW005-604
Sampling Medium: Water
COC#: COC-005-204

Reviewed by: Initials: Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106005

Purge Information and Field Parameter Date: 10-23-2020

Purge Start Time: 1157 Purge Rate: 0.960 L/min X 0.265 = .2544 gal/min

Description of first water purged: Yellow tint and slight VOC odor

Drawdown Limit: 12.53 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	469.34	10.9	18.3	-------	0.58	2463	7.06	-154.9
1200	470.66	11.6	20.4	90.1	9.42	925	7.81	382.0
1205	470.66	9.78	20.3	26.0	2.18	1168	7.38	-175.8
1210	470.66	10.7	20.2	11.4	1.04	1167	7.38	-225.2
1215	470.66	11.6	20.1	6.3	0.56	1170	7.39	-248.0
1220	470.66	10.8	20.0	4.2	0.38	1168	7.38	-267.3
1225	470.65	10.4	20.1	3.5	0.31	~~1066~~ 1170 AR	7.39	-279.4
1230	470.65	10.3	20.1	3.3	0.30	1172	7.39	-290.2
1235	470.65	11.2	20.1	2.9	0.26	1181	7.39	-298.2
1240	470.65	10.6	20.1	2.2	0.20	1176	7.39	-303.5
1245	470.65	10.4	20.1	1.8	~~1.6~~ 0.16 AR	1170	7.38	-311.9
1250	470.65	10.8	20.1	1.5	0.13	1174	7.38	-316.6
1255	470.64	9.95	20.1	1.3	0.12	1174	7.37	-321.9
1300	470.64	9.16	20.1	1.2	0.11	1172	7.37	-324.8

Sample Time: 1305 Sample Date: 10-23-2020

Purge End Time: 1310

Bubbles in the vials?: ☑ Yes ☐ No Where? VOC/EDB Amount 1 ea/1 VOA Size 2,1,1mm/2mm 6mm

Sampled by: Amy Rosebrough Sampler Signature: Amy Rosebrough

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	23.5
2	
Total	

IDW will be taken to: ~~Pending Analysis Yard~~ 90-day Hazardous Waste Area

IDW Label: ~~White Pending Analysis~~ Yellow Haz

Comments: Purge water aerated during sample collection.

Reviewed by: JM Initials: — Review Date: 10-26-2020

Did not stabilize turbidity + DO – Sampled according to Work Plan

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106006
Project No: 6360401
Samplers: G Begaye, D. Schweelk
Date: 10-29-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 514.18 ft MRP

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 486.68 ft MRP

Barricade/Notification: ☐
Bottom of Screen: 511.68 ft MRP

Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857

IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 474.12 ft MRP
Depth to Water (DTW): 475.50 **ft MRP**

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

Non-Dedicated Pump Depth: 488.68 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	~~Solinst~~ Geotech 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW006-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW006-604
Sampling Medium: Water
COC#: COC-006-204

Reviewed by: [signature] Initials: — Review Date: 10-30-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106006

Purge Information and Field Parameter Date: 10-29-2020

Purge Start Time: 1602 Purge Rate: 0.760 L/min X 0.265 = 0.201 gal/min

Description of first water purged: clear w/ voc odor

Drawdown Limit: 12.56 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	474.12	2.65	19.9	-------	2.94	334.5	7.57	-161.1
1605	475.46	1.16	18.3	100.0	9.37	322.0	8.08	172.2
1610	475.47	4.91	18.3	80.3	7.54	562.5	7.50	76.1
1615	475.47	3.00	18.5	22.0	1.93	588	7.48	-32.4
1620	475.46	1.88	18.5	13.3	1.22	589	7.49	-75.9
1625	475.46	2.19	18.5	14.0	1.30	590	7.49	-90.9
1630	475.46	2.49	18.4	13.2	1.23	588	7.48	-98.1

Sample Time: 1632 Sample Date: 10-29-2020

Purge End Time: 1635

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size 6mm

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10.5
2	
Total	10.5

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Initials: — Review Date: 10-30-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 62599DM01
Date: 10-5-2020

Well ID: KAFB-106007
Samplers: D. Schmeelk, R. Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/24/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 515.66 ft MRP
Top of Screen: 488.66 ft MRP
Bottom of Screen: 513.66 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 474.26 ft MRP
Depth to Water (DTW): 473.25 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 490.66 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW007-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW007-604	Sampling Medium:	Water
COC#:	COC-007-204		

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106007

Purge Information and Field Parameter Date: 10-5-2020

Purge Start Time: 0845 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 14.40 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	474.26	0.21	17.3	-------	7.28	394.7	7.53	152.6
0855	~~473~~ 473.27	0.96	17.0	43.7	4.30	528.9	7.18	439.9
0900	473.27	1.46	17.7	9.6	0.92	527.9	7.28	424.0
0905	473.27	0.58	18.0	8.3	0.78	527.0	7.30	412.2
0910	473.27	1.76	18.2	8.0	0.74	527.0	7.31	407.4
0915	473.27	1.54	18.4	7.1	0.67	527.1	7.31	399.0
0920	473.27	1.31	18.6	6.6	0.61	528.2	7.31	392.3
0925	473.27	0.69	18.7	6.2	0.57	529.4	7.31	385.2
0930	473.27	1.24	18.9	6.1	0.56	529.7	7.31	379.4
Sampled								

Sample Time: 0945 Sample Date: 10-5-2020

Purge End Time: 0948 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	20
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106008
Project No: 6360401
Samplers: D. Schmelling, A. Rosebrough
Date: 10-21-2020
Crew Signature:

Well Information

Well was previously HAZARDOUS
Well Depth: 516.42 ft MRP
SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 488.92 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 513.92 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: 90 Day Area
IDW Label: Orange Hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 474.31 ft MRP
Depth to Water (DTW): 475.36 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-902

Non-Dedicated Pump Depth: 490.92 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	253056
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW008-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW008-604
Sampling Medium: Water
COC#: COC-008-204

Reviewed by: [signature] Initials: — Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106008

Purge Information and Field Parameter Date: 10-21-2020

Purge Start Time: 1559 Purge Rate: .350 L/min X 0.265 = 0.093 gal/min

Description of first water purged: Foamy, hydrocarbon smell, clear

Drawdown Limit: 14.61 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	474.31	9.07	17.5	-------	0.28	882	6.95	-113.3
1610	475.36	6.45	19.8	4.3	0.38	1166	6.79	-80.8
1615	475.36	6.27	19.6	2.9	0.26	1152	6.82	-103.2
1620	475.36	6.61	19.6	2.2	0.20	1141	6.82	-121.3
1625	475.36	5.54	19.7	1.8	0.17	1127	6.83	-134.3
1630	475.35	5.17	19.6	1.6	0.14	1114	6.82	-143.5
1635	475.35	4.98	19.6	1.4	0.13	1122	6.84	-150.8
1640	475.36	6.82	19.7	1.4	0.13	1138	6.84	-156.3

Sample Time: 1642 Sample Date: 10-21-2020

Purge End Time: 1703 6mm

Bubbles in the vials?: ☑ Yes ☐ No Where? Most VOA's Amount 1 bubble Size ~ <4mm

Sampled by: Amy Rosebrough Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	AR ~~5.99~~ 5.95
2	
Total	15.95

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments:

Reviewed by: Initials: — Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106009
Project No: 6360401
Samplers: D. Schmeelk, R. Wittler
Date: 10-12-2020
Crew Signature: [signature]

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

IDW will be taken to: ~~Pending Analysis Yard~~ GWTS/Pending Disposal Area JL

Well Depth: 511.19 ft MRP
Top of Screen: 483.69 ft MRP
Bottom of Screen: 508.69 ft MRP
Reference Elevation Interval: 4857

IDW Label: ~~White Pending Analysis~~ X Green-Non-Hazardous

Protective Casing/Vault: (Intact) Damaged

Well Locked/Security Bolt Present: (Yes) No

Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 471.03 ft MRP

Depth to Water (DTW): 472.26 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 485.69 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW009-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW009-604
Sampling Medium: Water
COC#: COC-009-204

Reviewed by: [signature] Initials: [signature] Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106009

Purge Information and Field Parameter

Date: 10-12-2020

Purge Start Time: 1250 Purge Rate: 0.800 L/min X 0.265 = ~~0.2048~~ 0.212 gal/min

Description of first water purged: Clear and Odorless

Drawdown Limit: 12.66 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	471.03	6.64	20.6	-------	5.88	1290	7.12	-7.2
1255	472.33	1.56	23.6	73.9	6.31	3.2	5.00	348.1
1300	472.33	1.61	23.4	46.1	~~7.~~ 3.91	~~16~~84	6.25	369.9
1305	472.33	0.75	23.0	23.1	1.91	1844	6.86	375.1
1310	472.33	0.95	22.5	10.5	0.90	1834	6.87	350.6
1315	472.33	1.42	22.3	7.5	0.65	1823	6.87	331.0
1320	472.33	0.76	22.2	6.1	0.53	1819	6.89	318.7
* 1325	472.33	0.72	22.1	4.7	0.40	1805	6.89	294.1
1330	472.33	2.26	22.1	4.1	0.36	1794	6.88	271.0
1335	472.33	1.21	22.0	3.7	0.32	17~~8~~82	6.90	248.3
1340	472.33	1.40	22.0	3.4	0.30	1783	6.89	220.5
1345	472.33	0.69	21.9	3.3	0.29	1777	6.89	177.2
1350	472.33	1.04	21.9	3.2	0.28	1774	6.89	156.5
Sampled								

Sample Time: 1353 Sample Date: 10-12-2020

Purge End Time: 1357 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D.Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~21.5~~ 22
2	
Total	

IDW will be taken to: ~~Pending Analysis~~ Yard
GWTS/Pending Disposal Area

IDW Label: ~~White Pending Analysis~~
Green - Non Haz

Comments: * Light VOC odor from 1325 thru sampling

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-22-2020

Well ID: KAFB-106010
Samplers: ~~10-22-2020~~ D. Schmeelk A. Rogebrough
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: ~~Pending Analysis Yard~~ 90-day Hazardous Waste Area

Well Depth: 510.50 ft MRP
Top of Screen: 483.00 ft MRP
Bottom of Screen: 508.00 ft MRP
Reference Elevation Interval: 4857

IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged

Well Locked/Security Bolt Present: Yes No

Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 465.9 ft MRP

Depth to Water (DTW): 467.38 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-~~9~~02

Non-Dedicated Pump Depth: 485.00 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	~~10~~ 253056
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW010-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW010-604	Sampling Medium:	Water
COC#:	COC-010-204		

Reviewed by: JM Initials: — Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106010

Purge Information and Field Parameter Date: 10-22-2020

Purge Start Time: 0939 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: clear w/ light voc odor

Drawdown Limit: 17.10 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	465.9	2.81	18.8	-------	0.81	683	7.12	-91.2
0945	467.38	19.1	18.0	80.3	8.40	354.6	7.82	402.7
0950	467.38	8.68	18.6	30.4	2.77	644.8	6.98	37.7
0955	467.38	3.91	18.5	14.6	1.35	543.5	7.00	-30.9
~~AR 0960~~ 1000	467.38	2.08	18.6	9.0	0.83	540.6	7.02	-76.5
1005	467.37	1.50	18.8	6.8	0.63	538.2	7.02	-102.3
1010	467.37	4.14	19.0	~~6.6~~ 5.6 AR	0.52	537.6	7.03	-119.5
1015	467.38 ~~AR 19.1~~	1.71	19.1	4.7	0.43	536.3	7.04	-134.1
1020	467.38	1.35	19.2	3.9	0.36	536.1	7.03	-145.9
1025	467.38	1.12	19.2	3.4	0.31	536.8	7.04	-154.2
1030	467.38	2.69	19.2	3.0	0.27	537.2	7.04	-162.6
1035	467.38	1.29	19.3	2.6	0.24	536.4	7.03	-168.7
1040	467.38	1.79	19.3	2.3	0.21	537.6	7.03	-177.6
1045	467.38	5.01	19.4	2.1	0.19*	539.0	7.03	-182.1

Sample Time: 1046 Sample Date: 10-22-2020

Purge End Time: 1045 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schuelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	15.39
2	
Total	20.39

IDW will be taken to: ~~Pending Analysis~~ * ~~Yard~~ 90-day Hazardous Waste Area

IDW Label: ~~White Pending Analysis~~ * Yellow Haz

Comments: * = Did not stabilize - sampled according to Work Plan

Reviewed by: [signature] Initials: — Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 62599DM01
Date: 10-1-2020

Well ID: KAFB-106011
Samplers: D. Schmuelle, G. Begaye
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 519.05 ft MRP
Top of Screen: 489.05 ft MRP
Bottom of Screen: 514.05 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 475.87 ft MRP
Depth to Water (DTW): 477.22 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	20H104723
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW011-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW011-604
Sampling Medium: Water
COC#: COC-011-204

Reviewed by: JM Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106011

Purge Information and Field Parameter Date: 10-01-2020

Purge Start Time: 0956 Purge Rate: 0.700 L/min X 0.265 = 0.186 gal/min

Description of first water purged: clear & no odor

Drawdown Limit: 13.18 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	475.87	0.57	17.9	-------	7.22	423.9	7.72	158.3
1000	477.24	0.48	17.9	67.4	6.38	999	7.93	201.7
1005	477.23	0.44	18.2	65.3	6.12	997	7.88	204.2
1010	477.24	0.69	18.3	60.9	5.70	1000	7.84	205.7
1015	477.23	8.89	18.5	31.7	2.76	922	7.75	209.3
1020	477.24	~~11.47~~ 7.85	18.6	21.8	1.82	1082	7.76	206.5
1025	477.24	5.72	18.6	16.9	1.59	1088	7.78	200.4
1030	477.24	1.59	18.7	14.6	1.36	1065	7.81	190.6
1035	477.24	0.95	18.7	13.1	1.22	1022	7.79	190.2
1040	477.23	0.92	18.7	12.3	1.14	1008	7.79	187.8
1045	477.23	1.35	18.8	11.2	1.06	988	7.80	182.9
1050	477.23	4.86	18.8	11.1	1.03	978	7.79	181.2
1055	477.23	1.36	18.8	~~0.9~~ 10.8	1.00	967	7.80	178.1
Sampled								

Sample Time: 1100 Sample Date: 10-01-2020

Purge End Time: 1105

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size — 6mm

Sampled by: D. Schneelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	13
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 62599DM01
Date: 10-02-2020

Well ID: KAFB-106012R
Samplers: D. Schweelk, G. Begaye
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 502.91 ft MRP
Top of Screen: 468.49 ft MRP
Bottom of Screen: 497.74 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 467.61 ft MRP
Depth to Water (DTW): 468.66 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 495.74* ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	20H104723
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW012R-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW012R-604
Sampling Medium: Water
COC#: COC-012R-204

Reviewed by: JM Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106012R

Purge Information and Field Parameter Date: 10-02-2020

Purge Start Time: 1025 Purge Rate: 0.848 L/min X 0.265 = 0.2226 gal/min

Description of first water purged: clear & odorless

Drawdown Limit: 0.88 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	467.61	10.1	20.4	-------	8.16	1974	7.36	146
1035	468.68	1.62	21.6	94.6	8.18	81.9	3.66	295.3
1040	468.69	1.10	21.6	83.9	7.36	1618	7.24	203.1
1045	468.68	1.33	21.5	84.6	7.43	1613	7.26	199.7
1050	468.68	0.97	21.3	84.7	7.44	1610	7.27	195.8
Sampled								

Sample Time: 1100 Sample Date: 10-2-2020

Purge End Time: 1106 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schneelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	8
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106013
Project No: 6360401
Samplers: D. Schmeelk, R. Wittler
Date: 10-13-2020
Crew Signature: [signature], [signature]

Well Information

Well was NOT HAZARDOUS
Well Depth: 519.65 ft MRP
SCREEN SUBMERGED on 7/22/2020 (previous gauging date)
Top of Screen: 489.65 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 514.65 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 473.16 ft MRP
Depth to Water (DTW): 474.66 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 491.65 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW013-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW013-604
Sampling Medium: Water
COC#: COC-013-204

Reviewed by: [signature] Initials: [signature] Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106013

Purge Information and Field Parameter Date: 10-13-2020

Purge Start Time: 0941 Purge Rate: 0.860 L/min X 0.265 = 0.2279 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 16.49 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	473.16	2.64	19.8	-------	1.08	419.1	7.19	65.7
0945	474.65	2.45	17.5	143.2	13.60	472.8	7.74	480.1
0950	474.65	9.83	17.8	97.1	9.22	497.3	7.72	468.7
0955	474.65	7.61	18.4	48.6	4.53	500.0	7.72	459.3
1000	474.65	8.10	18.5	37.0	3.43	498.9	7.71	454.8
1005	474.65	6.54	18.7	32.4	3.00	499.2	7.71	449.8
1010	474.65	5.55	18.9	29.8	2.77	498.2	7.71	445.4
1015	474.65	5.65	18.9	28.5	2.63	497.6	7.71	442.3
1020	474.65	5.08	19.0	27.5	2.55	496.7	7.70	439.6
Sampled								

Sample Time: 1026 Sample Date: 10-13-2020

Purge End Time: 1029 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	15
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106014
Project No: 6360401
Samplers: G. Beyane, A. Rosebrough
Date: 10-29-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 519.19 ft MRP
SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 489.19 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 514.19 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 472.74 ft MRP
Depth to Water (DTW): 474.51 **ft MRP**

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

Non-Dedicated Pump Depth: 490.19 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW014-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW014-604	Sampling Medium:	Water
COC#:	COC-014-204		

Reviewed by: JM Initials: — Review Date: 10-30-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106014

Purge Information and Field Parameter Date: 10-29-2020

Purge Start Time: 1325 Purge Rate: .860 L/min X 0.265 = .2279 gal/min

Description of first water purged: clear, odorless

Drawdown Limit: 16.45 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	472.74	3.66	18.8	-------	0.32	618	7.44	-210.6
1330	474.51	15.2	17.9	89.4	8.50	570.7	8.07	313.7
1335	474.51	9.19	18.1	31.6	2.92	653	6.88	-18.0
1340	474.51	6.75	18.5	15.9	1.48	740	6.90	-46.2
1345	474.51	5.16	18.7	19.2	1.80	879	6.91	-54.8
1350	474.50	10.2	18.7	20.8	1.94	891	6.92	-56.3
1355	474.50	6.18	18.6	22.6	2.10	888	6.93	-59.4
AR ~~13~~ 1400	474.50	5.85	18.7	25.0	2.33	877	6.94	-59.0
1405	474.~~8~~ AR 49	5.66	18.6	29.7	2.76	1458	6.94	-61.7
1410	474.49	6.21	18.7	31.5	2.96	1485	6.94	-62.9
1415	474.49	6.66	18.6	34.7	3.22	1479	6.95	-64.2
1420	474.47	7.06	18.7	36.7	3.37	1473	6.96	-66.2
1425	474.47	~~6.96~~ AR 7.16	18.7	39.2	3.63	1468	6.96	-66.5
1430	474.47	7.32	18.6	37.4	3.47	~~13~~ AR 1487	6.96	-66.2

Sample Time: 1436 Sample Date: 10-29-2020

Purge End Time: 1440

Bubbles in the vials?: [X] Yes [ ] No Where? EDB/VOC Amount 4/6 Size <6mm (6mm)

Sampled by: ~~Galveston Regione~~ Amy Rosebrough Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17.0
2	+5
Total	22.0

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: [signature] Initials: — Review Date: 10-30-20

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106015** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW015-204

Well Information

Screen Interval Length (ft): 25

Previous Depth to Water (MRP): 466.50 (Gauged on 7/24/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -21.02

Well Depth: 517.52 ft MRP
Top of Screen: 487.52 ft MRP
Bottom of Screen: 512.52 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 0806

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	488.22
2	490.82
3	493.42
4	496.02
5	498.62
6	501.22
7	503.82
8	506.42

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW015-204

Well Location ID: KAFB-106015 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1450 Sampling Team: G. Begaye, J. Stitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW015-204
Duplicate ID: (if applicable) GW015-604
COC#: COC-015-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 62599DM01
Date: 10-1-2020

Well ID: KAFB-106016
Samplers: D. Schueelk, G. Begaye
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/24/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 508.29 ft MRP
Top of Screen: 478.29 ft MRP
Bottom of Screen: 503.29 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 464.69 ft MRP
Depth to Water (DTW): 465.48 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	20H104723
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW016-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW016-604
Sampling Medium: Water
COC#: COC-016-204

Reviewed by: JM Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106016

Purge Information and Field Parameter Date: 10-1-2020

Purge Start Time: 1508 Purge Rate: 0.960 L/min X 0.265 = 0.2544 gal/min

Description of first water purged: clear + odorless

Drawdown Limit: 13.60 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	464.69	0.29	17.7	-------	7.43	321.4	7.75	152.1
1515	465.51	1.68	18.5	78.5	7.34	333.2	8.17	187.0
1520	465.51	2.03	18.5	75.2	7.01	333.4	8.17	174.3
1525	465.50	4.01	18.8	69.2	6.50	334.4	8.05	170.4
1530	465.51	14.3	19.1	32.8	3.04	394.9	7.96	167.4
1535	465.50	6.24	19.3	26.2	2.42	393.8	7.96	160.0
1540	465.51	5.88	19.4	24.2	2.24	390.4	7.95	155.1
1545	465.51	6.16	19.4	22.9	2.12	386.1	7.96	153.9
1550	465.51	4.07	19.4	21.8	2.02	336.0	7.97	152.8
1555	465.51	3.97	19.4	21.0	1.93	368.7	7.95	149.5
Sampled								

Sample Time: 1601 Sample Date: 10-1-2020

Purge End Time: 1610 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	16
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: JM Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106017
Project No: 6360401
Samplers: J. Messenger D. Schmoll
Date: 10/19/2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 515.61 ft MRP

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 485.61 ft MRP

Barricade/Notification: ☐
Bottom of Screen: 510.61 ft MRP

Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857 & 4838

IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 465.61 ft MRP
Depth to Water (DTW): 467.41 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	5579 WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	Geotech 0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW017-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW017-604	Sampling Medium:	Water
COC#:	COC-017-204		

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106017

Purge Information and Field Parameter Date: 10/19/2020

Purge Start Time: 0823 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 20.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**465.61**	**1.2**	**18.2**	**------**	**0.27**	**436.3**	**7.65**	**70.8**
0825	467.44	0.69	17.2	75.4	7.23	507.9	7.30	446.6
0830	467.44	3.14	17.9	5.5	0.52	544.6	7.50	111.8
0835	467.44	2.90	18.0	3.1	0.29	540.7	7.52	45.2
0840	467.44	2.68	18.1	2.3	0.21	~~460.4~~ 536.7	7.53	2.7
0845	467.44	1.17	18.1	2.1	0.20	524.2	7.51	-24.6
0850	467.45	1.31	18.1	2.0	0.19	517.8	7.57	-41.7
0855	467.45	1.14	18.2	2.0	0.19	513.6	7.55	-54.2

Sample Time: 0858 Sample Date: 8-19-2020

Purge End Time: 0906

Bubbles in the vials?: [X] Yes [ ] No Where? 2x VOC Amount 1 Size ≤ 1 mm 6mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10. gal
2	—
Total	10 gal

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments: Slight hydrocarbon odor after 0840

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106018
Project No: 6360401
Samplers: D. Schmeelk, A. Rosebrough, ~~G. Begaye~~ *
Date: 10-28-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 508.96 ft MRP

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)
Top of Screen: 478.96 ft MRP

Barricade/Notification: ☐
Bottom of Screen: 503.96 ft MRP

Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857 & 4838

IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 458.96 ft MRP
Depth to Water (DTW): 460.93 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: ~~Not Applicable - Dedicated pump present~~ * 1808-402

Non-Dedicated Pump Depth: ~~NA~~ * 480.96 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: WH0003

PID: MiniRAE 3000 — Serial No: WH0006

Water Level Meter: * ~~Solinst~~ Geotech 500 ft — Serial No: ~~WT~~ * 0001

Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW018-204
Sampling Method: Low-flow

Duplicate ID: (if applicable) GW018-604
Sampling Medium: Water

COC#: COC-018-204

Reviewed by: Initials: — Review Date: 10-30-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106018

Purge Information and Field Parameter Date: 10/28/2020

Purge Start Time: 1338 Purge Rate: 0.660 L/min X 0.265 = ~~0.087~~ 0.1749 gal/min

Description of first water purged: clear and odorless

Drawdown Limit: 20.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	458.96	0.81	18.6	-------	0.14	513.7	7.75	-31.8
1345	460.88	1.56	12.5	99.0	10.59	409.6	7.81	385.5
1350	460.88	1.59	13.8	98.5	10.13	513.0	7.55	388.6
1355	460.88	2.55	14.8	80.5	8.08	535.4	7.59	386.1
1400	460.88	3.06	16.0	54.2	5.23	530.1	7.67	377.1
1405	460.88	2.33	16.4	43.5	4.24	537.5	7.70	369.0
1410	460.85	2.84	16.4	35.1	3.42	537.9	7.73	363.0
1415	460.86	2.27	16.3	28.4	2.74	538.2	7.76	356.4
1420	480.85	2.56	16.5	22.9	2.24	538.4	7.75	352.2
1425	480.86	2.05	16.6	22.7	2.22	539.0	7.75	349.8
1430	480.8	1.82	16.6	21.6	2.10	539.2	7.76	347.6

Sample Time: 1433 Sample Date: 10/28/2020

Purge End Time: ~~1443~~ 1436 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	15
2	
Total	

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments: Purge water highly aerated until 1405.

Reviewed by: Initials: — Review Date: 10-30-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-8-2020

Well ID: KAFB-106019
Samplers: D Schmeelk, R. Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

IDW will be taken to: Pending Analysis Yard

Well Depth: 525.91 ft MRP
Top of Screen: 495.91 ft MRP
Bottom of Screen: 520.91 ft MRP
Reference Elevation Interval: 4857 & 4838

IDW Label: White Pending Analysis

Protective Casing/Vault: (Intact) Damaged

Well Locked/Security Bolt Present: (Yes) No

Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 477.64 ft MRP

Depth to Water (DTW): 479.15 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 497.91 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW019-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW019-604
Sampling Medium: Water
COC#: COC-019-204

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106019

Purge Information and Field Parameter Date: 10-8-2020

Purge Start Time: 0859 Purge Rate: 0.700 L/min X 0.265 = 0.1855 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 18.27 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	477.64	3.73	20.7	-------	0.56	209.7	7.43	109.6
0905	479.15	0.36	16.9	71.9	6.94	7.4	4.11	370.5
0910	479.15	56.8	17.2	24.4	2.37	798	7.31	418.6
0915	479.13	43.1	17.4	16.8	1.63	802	7.46	410.1
0920	479.13	37.4	18.0	7.6	0.72	802	7.57	390.3
0925	479.13	32.6	18.3	7.4	0.69	803	7.59	380.8
0930	479.13	27.6	18.5	7.7	0.72	~~707~~ 810	7.60	375.3
Sampled								

Turbidity not stabilized.

Sample Time: 0933 Sample Date: 10-8-2020

Purge End Time: 0937 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14.5
2	
Total	

IDW will be taken to: ~~Pending Analysis Yard~~ Pending Disposal

IDW Label: ~~White Pending Analysis~~ Green Non Haz

Comments: No need to re-sample, per B. Rockisch.

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106020
Project No: 6360401
Samplers: G. Begaye, A. Rosebrough
Date: 10-29-2020
Crew Signature: [signature], Amy Rosebrough

Well Information

Well was NOT HAZARDOUS
Well Depth: 512.00 ft MRP

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)
Top of Screen: 482.00 ft MRP

Barricade/Notification: [X]
Bottom of Screen: 507.00 ft MRP

Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4857

IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 463.4 ft MRP
Depth to Water (DTW): 465.42 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

Non-Dedicated Pump Depth: 494.00 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: WH0003

PID: MiniRAE 3000 — Serial No: ~~WH0003~~ WH0006

Water Level Meter: ~~Solinst~~ Geotech 500 ft — Serial No: 0001

Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW020-204
Sampling Method: Low-flow

Duplicate ID: (if applicable) GW020-604
Sampling Medium: Water

COC#: COC-020-204

Reviewed by: [signature] Initials: — Review Date: 10-30-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106020

Purge Information and Field Parameter Date: 10-29-2020

Purge Start Time: 1002 Purge Rate: .960 L/min X 0.265 = 0.2544 gal/min

Description of first water purged: clear and odorless

Drawdown Limit: 18.60 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	463.4	7.08	20.4	-------	2.69	517	7.59	190.1
1010	465.42	219	17.3	40.6	3.69	564.1	7.52	281.3
1015	465.42	213	17.6	41.1	3.92	566.1	7.58	269.2
1020	465.42	209	17.7	47.8	4.51	570.1	7.58	267.7
1025	465.42	217	17.9	50.4	4.79	572.9	7.58	249.0
1030	465.42	210	18.0	54.7	5.17	573.8	7.59	243.2
1035	465.42	182	18.0	67.3	5.41	573.7	7.58	243.4
1040	465.42	164	18.0	54.6	~~570.5~~ 5.19	570.5	7.59	242.4
1045	465.42	147	18.1	59.2	5.59	572.9	7.59	241.3
1050	465.43	158	18.0	62.4	5.94	572.5	7.59	240.7
1055	465.42	116	18.2	55.2	5.22	562.9	7.60	238.6
1100	465.42	124	18.3	64.5	6.08	570.1	7.60	238.6
1105	465.42	124	18.4	65.9	6.15	568.3	7.61	239.4
1110	465.42	123	18.2	65.0	6.11	563.3	7.61	242.1

Sample Time: 1112 Sample Date: 10-29-2020

Purge End Time: 1130 6mm

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

Sampled by: Galveston Begaye Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	23.4
2	
Total	

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: JM Initials: — Review Date: 10-30-20

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106021** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW021-204

Well Information

Screen Interval Length (ft): 25

Previous Depth to Water (MRP): 436.69 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -21.31

Well Depth: 488.00 ft MRP
Top of Screen: 458.00 ft MRP
Bottom of Screen: 483.00 ft MRP

Deployment Team: D. Schmeelk, A Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 1147

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	458.70
2	461.30
3	463.90
4	466.50
5	469.10
6	471.70
7	474.30
8	476.90

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW021-204

Well Location ID: KAFB-106021 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1140 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? QB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **Pending Analysis Yard**

Notes:

Sample ID: GW021-204
Duplicate ID: (if applicable) GW021-604
COC#: COC-021-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106022** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW022-204

Well Information

Screen Interval Length (ft): 25

Previous Depth to Water (MRP): 441.33 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -20.67

Well Depth: 492.00 ft MRP
Top of Screen: 462.00 ft MRP
Bottom of Screen: 487.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: ~~0930~~ 0955

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	462.70
2	465.30
3	467.90
4	470.50
5	473.10
6	475.70
7	478.30
8	480.90
9	483.50

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: ~~AR~~ AR JM

Review Date: ~~9/18/2020~~ AR 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW022-204

Well Location ID: KAFB-106022 ***Sampling***

Date Sampled: 10-09-2020 Time Sampled: 1210 Sampling Team: G. Begaye, S. Newman

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W4000 4

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW022-204
Duplicate ID: (if applicable) GW022-604
COC#: COC-022-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106023** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW023-204

Well Information

Screen Interval Length (ft): 25

Previous Depth to Water (MRP): 451.96 (Gauged on 7/24/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -21.07

Well Depth: 503.04 ft MRP
Top of Screen: 473.04 ft MRP
Bottom of Screen: 498.04 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 1128

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	473.74
2	476.34
3	478.94
4	481.54
5	484.14
6	486.74
7	489.34
8	491.94
9	494.54

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW023-204

Well Location ID: KAFB-106023 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1330 Sampling Team: G Begaye, J-Fetch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W/H0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW023-204
Duplicate ID: (if applicable) GW023-604
COC#: COC-023-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106024
Project No: 6360401
Samplers: A. Rosebrough, D. Schmeelk
Date: 10/21/2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 511.00 ft MRP
SCREEN SUBMERGED on 7/24/2020 (previous gauging date)
Top of Screen: 481.00 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 506.00 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 466.52 ft MRP
Depth to Water (DTW): 466.97 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH00012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW024-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW024-604	Sampling Medium:	Water
COC#:	COC-024-204		

Reviewed by: Initials: — Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106024

Purge Information and Field Parameter

Date: 10/21/2020

Purge Start Time: 1246 Purge Rate: 0.780 L/min X 0.265 = AR ~~206.7~~ 0.2067 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 14.48 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	466.52	1.05	19.5	-------	0.55	665	7.1	74.7
~~1249~~ 1250	467.00	3.31	21.3	50.0	2.10	408.3	7.32	347.2
1255	466.98	1.47	20.9	5.2	0.47	430.0	7.34	239.5
1300	466.99	2.46	20.7	4.3	0.39	424.4	7.36	238.2
1305	466.98	1.12	20.7	3.8	0.34	425.6	7.37	235.6
1310	466.97	1.13	20.7	3.7	0.32	424.1	7.38	231.0
1315	466.97	1.25	20.6	3.6	0.32	424.7	7.38	224.4
Sampled								

Sample Time: 1321 Sample Date: 10-21-2020

Purge End Time: 1328

Bubbles in the vials?: ☑ Yes ☐ No Where? EDB / VOC Amount 2 / 1 Size 1,2mm / 1mm 6mm

Sampled by: D. Schwaelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	7.235
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106025** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW025-204

Well Information

Screen Interval Length (ft): 25

Previous Depth to Water (MRP): 439.73 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -25.27

Well Depth: 495.00 ft MRP
Top of Screen: 465.00 ft MRP
Bottom of Screen: 490.00 ft MRP

Deployment Team: D.Schmeelk, A.Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 0930

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	465.70
2	468.30
3	470.90
4	473.50
5	476.10
6	478.70
7	481.30
8	483.90
9	486.50

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: AR JM Review Date: 9/18/2020 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW025-204

Well Location ID: KAFB-106025 **Sampling**

Date Sampled: 10/5/2020 Time Sampled: 1015 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW025-204
Duplicate ID: (if applicable) GW025-604
COC#: COC-025-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106026** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW026-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 445.23 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -20.77

Well Depth: 491.00 ft MRP
Top of Screen: 466.00 ft MRP
Bottom of Screen: 486.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 0759

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	466.70
2	469.30
3	471.90
4	474.50
5	477.10
6	479.70
7	482.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: [signature] Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW026-204

Well Location ID: KAFB-106026 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 0830 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW026-204
Duplicate ID: (if applicable) GW026-604
COC#: COC-026-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 62599DM01
Date: 10-01-2020

Well ID: KAFB-106027
Samplers: D. Schmeelk, G. Begaye
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/20/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 509.16 ft MRP
Top of Screen: 484.16 ft MRP
Bottom of Screen: 504.16 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/20/2020

Previous Depth to water: 470.96 ft MRP
Depth to Water (DTW): 471.81 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	20H104~~273~~* 723
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW027-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW027-604
Sampling Medium: Water
COC#: COC-027-204

Reviewed by: JM Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106027

Purge Information and Field Parameter Date: 10-01-2020

Purge Start Time: 1355 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 13.20 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	470.96	1.34	18.6	-------	3.47	332	7.77	182.7
1400	471.85	3.95	18.6	65.0	6.18	356.1	8.02	129.3
1405	~~471.85~~ 471.84	1.02	19.4	35.5	3.27	405.6	8.07	151.7
1410	471.84	0.45	19.4	33.9	3.10	401.2	8.07	154.9
1415	471.84	1.95	19.4	33.3	3.03	391.4	8.08	154.9
1420	471.84	0.71	19.4	33.2	3.03	388.5	8.07	152.9
Sampled								

Sample Time: 1424 Sample Date: 10-1-2020

Purge End Time: 1433 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schnaelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	8.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: JM Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-22-2020

Well ID: KAFB-106028
Samplers: D. Schweelk, A. Rosebrough, GB
Crew Signature: [illegible]

Well Information

Well was previously HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 516.00 ft MRP
Top of Screen: 486.00 ft MRP
Bottom of Screen: 511.00 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: 90 Day Area
IDW Label: Orange Hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 471.56 ft MRP
Depth to Water (DTW): 472.78 AR ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: ~~Not Applicable - Dedicated pump present~~ * Pulled Late 2019/early 2020 1807B-902

Non-Dedicated Pump Depth: ~~NA~~ * 488 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	253056
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW028-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW028-604	Sampling Medium:	Water
COC#:	COC-028-204		

Reviewed by: [illegible] Initials: — Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106028

Purge Information and Field Parameter Date: 10-22-2020

Purge Start Time: 1257 Purge Rate: 0.966 L/min X 0.265 = 0.254 gal/min

Description of first water purged: clear and hydrocarbons smell

Drawdown Limit: 14.44 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	471.56	5.3	17.8	-------	0.12	11111	6.89	-123
1305	472.82	2.07	19.1	5.7	0.52	944	6.86	-120.6
1310	472.81	2.44	18.9	3.4	0.32	940	6.89	-146.9
1315	472.81	2.07	18.9	2.7	0.25	938	6.89	-159.8
1320	472.81	2.16	18.8	2.1	0.19	937	6.90	-174.3
1325	472.79	1.88	19.0	2.0	0.18	935	6.91	-180.4
1330	472.78	1.81	19.0	1.8	0.17	938	6.91	-186.2
1335	472.79	1.62	19.1	1.6	0.15	942	6.90	-196.2
1340	472.78	1.64	19.1	1.5	0.14	942	6.90	-202.5
1345	472.79	2.02	19.1	1.4	0.13	939	6.92	-209.3
1350	472.79	2.21	19.1	1.3	0.12	938	6.92	-215.9
1355	472.78	1.54	19.2	1.2	0.11	937	6.93	-221.7
1400	472.78	1.71	19.1	1.2	0.11	936	6.93	-228.7

Sample Time: 1405 Sample Date: 10-22-2020

Purge End Time: 1412 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17.30
2	
Total	22.30

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments:

Reviewed by: Initials: — Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106029** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW029-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 433.05 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -17.75

Well Depth: 475.80 ft MRP
Top of Screen: 450.80 ft MRP
Bottom of Screen: 470.80 ft MRP

Deployment Team: D. Schweelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 1008

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	451.50
2	454.10
3	456.70
4	459.30
5	461.90
6	464.50
7	467.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes: Vault flooded. Bailed water. J-plug was sealed well.

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW029-204

Well Location ID: KAFB-106029 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1340 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW029-204
Duplicate ID: (if applicable) GW029-604
COC#: COC-029-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106030** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW030-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 433.12 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -36.38

Well Depth: 489.90 ft MRP
Top of Screen: 469.50 ft MRP
Bottom of Screen: 484.50 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 1023

PID: MiniRAE 3000 Serial No: W40004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	470.20
2	472.80
3	475.40
4	478.00
5	480.60

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW030-204

Well Location ID: KAFB-106030 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1310 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW030-204
Duplicate ID: (if applicable) GW030-604
COC#: COC-030-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106031** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW031-204

Well Information

Screen Interval Length (ft): 14

Previous Depth to Water (MRP): 433.24 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -62.56

Well Depth: 514.90 ft MRP
Top of Screen: 495.80 ft MRP
Bottom of Screen: 509.50 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 1035

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

Sampler Number:	Top of Sampler Depth (MRP)
1	496.50
2	499.10
3	501.70
4	504.30
5	506.90

Depths highlighted blue represent submerged samplers based on previous water level

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes: Vault flooded. Removed water, ~~befor~~ J-plug was well sealed

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW031-204

Well Location ID: KAFB-106031 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1230 Sampling Team: G. Begaye, J. Fotch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	Choose only one								Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH000~~6~~4 ~~GB~~

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW031-204
Duplicate ID: (if applicable) GW031-604
COC#: COC-031-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106032** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW032-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 439.49 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -16.51

Well Depth: 480.50 ft MRP
Top of Screen: 456.00 ft MRP
Bottom of Screen: 476.00 ft MRP

Deployment Team: D.Schmeelk, A.Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 0815

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? Y

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

MS/MSD required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	456.70
2	459.30
3	461.90
4	464.50
5	467.10
6	469.70
7	472.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW032-204

Well Location ID: KAFB-106032 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 0820 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

MS/MSD required.

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW032-204
Duplicate ID: (if applicable) GW032-604
COC#: COC-032-204

Reviewed by: JM

Review Date: 10/4/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106033** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW033-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 439.62 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -37.38

Well Depth: 496.60 ft MRP
Top of Screen: 477.00 ft MRP
Bottom of Screen: 492.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 0835

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	477.70
2	480.30
3	482.90
4	485.50
5	488.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW033-204

Well Location ID: KAFB-106033 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 0905 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? JB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW033-204
Duplicate ID: (if applicable) GW033-604
COC#: COC-033-204

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106034** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW034-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 440.49 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -61.51

Well Depth: 522.00 ft MRP
Top of Screen: 502.00 ft MRP
Bottom of Screen: 517.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 0845

PID: MiniRAE 3000 Serial No: WH0004*

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	502.70
2	505.30
3	507.90
4	510.50
5	513.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW034-204

Well Location ID: KAFB-106034 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 0925 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW034-204
Duplicate ID: (if applicable) GW034-604
COC#: COC-034-204

Notes:

Reviewed by: [illegible]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106035** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW035-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 445.20 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -6.93

Well Depth: 487.13 ft MRP
Top of Screen: 452.13 ft MRP
Bottom of Screen: 482.13 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 1136

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? D

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	452.83
2	455.43
3	458.03
4	460.63
5	463.23
6	465.83
7	468.43
8	471.03
9	473.63
10	476.23
11	478.83
12	481.43

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: ~~AK~~ JM AK

Review Date: ~~9/18/2020~~ 9-18-20 AK

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW035-204

Well Location ID: KAFB-106035 **Sampling**

Date Sampled: 10-09-2020 Time Sampled: 0955 Sampling Team: G. Begaye, S. Newman

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Document in notes Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: W/H004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW035-204
Duplicate ID: (if applicable) GW035-604
COC#: COC-035-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106036** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW036-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 445.64 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -36.24

Well Depth: 501.88 ft MRP
Top of Screen: 481.88 ft MRP
Bottom of Screen: 496.88 ft MRP

Deployment Team: ~~WH0004~~ D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 1157

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	482.58
2	485.18
3	487.78
4	490.38
5	492.98
6	495.58

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: ~~AR~~ AR

Review Date: ~~9/18/2020~~ 9-18-20 AR

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW036-204

Well Location ID: KAFB-106036 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 0935 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: ~~Pending Analysis Yard~~ AR GWTS / Pending Disposal Area

Notes:

Sample ID: GW036-204
Duplicate ID: (if applicable) GW036-604
COC#: COC-036-204

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106037** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW037-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 446.38 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -60.67

Well Depth: 527.05 ft MRP
Top of Screen: 507.05 ft MRP
Bottom of Screen: 522.05 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 1208

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	507.75
2	510.35
3	512.95
4	515.55
5	518.15
6	520.75

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: ~~AR~~ JM AR

Review Date: ~~9/18/2020~~ 9-18-20 AR

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW037-204

Well Location ID: KAFB-106037 **Sampling**

Date Sampled: 10-09-2020 Time Sampled: 0850 Sampling Team: G. Begaye, S. Newman

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW037-204
Duplicate ID: (if applicable) GW037-604
COC#: COC-037-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-5-2020

Well ID: KAFB-106038
Samplers: D.Schnepelk, Riley Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 516.26 ft MRP
Top of Screen: 481.26 ft MRP
Bottom of Screen: 511.26 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 474.67 ft MRP
Depth to Water (DTW): 476.29 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 483.26 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: WH0003

PID: MiniRAE 3000 — Serial No: WH0004

Water Level Meter: Solinst 500 ft — Serial No: ~~WH000*~~ WH0012

Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW038-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW038-604
Sampling Medium: Water
COC#: COC-038-204

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106038

Purge Information and Field Parameter

Date: 10-5-2020

Purge Start Time: 1151 Purge Rate: 0.640 L/min X 0.265 = 0.1696 gal/min

Description of first water purged: Clear ¾ odorless

Drawdown Limit: 6.59 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	474.67	2.79	19.6	-------	5.92	498.4	7.65	154.1
1155	~~476.30~~ 476.26	0.49	25.2	91.3	7.54	9.7	4.45	410.8
1200	~~467.31~~ 476.26	1.57	23.6	93.6	8.00	371.5	7.14	426.1
1205	~~462.31~~ 476.26	1.43	23.5	78.5	6.65	480.4	7.64	425.3
1210	476.31	1.48	23.3	75.5	6.42	479.6	7.68	422.7
1215	476.31	1.12	23.1	75.2	6.43	478.0	7.69	420.0
Sampled								

Sample Time: 1221 Sample Date: 10-5-2020

Purge End Time: 1232

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size — 6mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-5-2020

Well ID: KAFB-106039
Samplers: D. Schnuelle, Riley Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 531.43 ft MRP
Top of Screen: 511.43 ft MRP
Bottom of Screen: 526.43 ft MRP
Reference Elevation Interval: 4838

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 474.49 ft MRP
Depth to Water (DTW): 476.01 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: ~~511~~ 513.43 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW039-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW039-604	Sampling Medium:	Water
COC#:	COC-039-204		

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106039

Purge Information and Field Parameter

Date: 10-5-2020

Purge Start Time: 1349 Purge Rate: 0.660 L/min X 0.265 = ~~0.1750~~ 0.1749 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 36.94 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	474.49	0.83	18.3	-------	3.13	681	7.48	140.4
1355	476.11	0.56	27.3	89.1	7.12	2.8	5.65	370.0
1400	476.11	6.79	26.0	57.3	4.69	750	7.42	420.8
1405	476.11	4.73	24.9	34.5	~~3.1~~ 2.85	~~794~~ 794	7.56	409.3
1410	476.11	3.59	24.6	30.3	2.51	787	7.57	388.8
1415	476.11	3.96	24.1	28.1	2.36	767	7.57	391.0
1420	476.11	2.68	24.0	29.0	2.41	776	7.58	383.1
~~1425~~	476.							

Sampled

Sample Time: 1426 Sample Date: 10-5-2020

Purge End Time: 1431

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size 6mm

Sampled by: D. Schwecke Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	15
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-07-2020

Well ID: KAFB-106040
Samplers: D. Schweik, R. Witter
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 553.61 ft MRP
Top of Screen: 533.61 ft MRP
Bottom of Screen: 548.61 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 473.38 ft MRP
Depth to Water (DTW): 475.01 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 535.61 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW040-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW040-604
Sampling Medium: Water
COC#: COC-040-204

Reviewed by: Initials: Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106040

Purge Information and Field Parameter Date: 10-07-2020

Purge Start Time: 0845 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: Clear and Odorless

Drawdown Limit: 60.23 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**473.38**	**0.64**	**18.8**	**------**	**4.74**	**508**	**7.72**	**97.9**
0850	475.01	0.50	16.1	89.7	8.87	7.9	5.40	409.6
0855	475.01	1.82	16.5	71.6	6.88	514.7	7.13	437.3
~~0850~~ 0900	475.01	2.11	17.2	51.5	4.93	549.4	7.39	425.0
0905	475.01	1.82	17.6	43.2	4.07	550.9	7.43	418.1
0910	475.01	9.86	18.0	37.8	3.57	552.1	7.52	412.9
0915	475.01	1.15	18.2	37.6	3.53	550.3	7.52	408.6
0920	475.01	1.31	18.4	36.5	3.42	554.8	7.51	405.1
Sampled								

Sample Time: 0923 Sample Date: 10-7-2020

Purge End Time: 0927 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D.Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	16
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106041** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW041-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 446.93 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -2.07 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 473.80 ft MRP
Top of Screen: 449.00 ft MRP
Bottom of Screen: 469.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1036

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 449.31

Measure Water Level

DMS Tether and Reel ID match Well ID? D

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	449.70
2	452.30
3	454.90
4	457.50
5	460.10
6	462.70
7	465.30

Depths highlighted blue represent submerged samplers based on previous water level

Notes: J-plug needs new stainless steel key ring

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW041-204

Well Location ID: KAFB-106041 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 1015 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW041-204
Duplicate ID: (if applicable) GW041-604
COC#: COC-041-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106042** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW042-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 446.68 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -22.32

Well Depth: 488.50 ft MRP
Top of Screen: 469.00 ft MRP
Bottom of Screen: 483.50 ft MRP

Deployment Team: D. Schmelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1052

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	469.70
2	472.30
3	474.90
4	477.50
5	480.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW042-204

Well Location ID: KAFB-106042 **Sampling**

Date Sampled: 10082020 Time Sampled: 1030 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH000 4

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW042-204
Duplicate ID: (if applicable) GW042-604
COC#: COC-042-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106043** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW043-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 446.95 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -96.05

Well Depth: 562.50 ft MRP
Top of Screen: 543.00 ft MRP
Bottom of Screen: 557.50 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1020

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✗

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number: ✗	Top of Sampler Depth (MRP)
1	543.70
2	546.30
3	548.90
4	551.50
5	554.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW043-204

Well Location ID: KAFB-106043 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 1015 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	Document in notes: MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW043-204
Duplicate ID: (if applicable) GW043-604
COC#: COC-043-204

Notes:

Reviewed by: [illegible]

Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106044
Project No: 62599DM01
Samplers: D. Schmeelk, G. Begaye
Date: 10-01-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 527.04 ft MRP
SCREEN SUBMERGED on 7/20/2020 (previous gauging date)
Top of Screen: 507.34 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 522.34 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/20/2020

Previous Depth to water: 471.11 ft MRP
Depth to Water (DTW): 471.99 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: 20H104723
PID: MiniRAE 3000 — Serial No: WH0006
Water Level Meter: Solinst 500 ft — Serial No: WH0012
Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW044-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW044-604
Sampling Medium: Water
COC#: COC-044-204

Reviewed by: JM Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106044

Purge Information and Field Parameter Date: 10-1-2020

Purge Start Time: ~~1235~~ 1235 Purge Rate: 0.600 L/min X 0.265 = 0.159 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 36.23 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	471.11	0.5	18.4	-------	6.29	315.3	7.62	151.2
~~1235~~ 1240	472.02	0.62	18.7	74.1	6.76	330.7	8.08	178.3
~~1240~~ 1245	472.01	0.36	19.0	72.3	6.72	330.9	7.93	180.4
~~1245~~ 1250	472.01	0.42	19.0	70.1	6.46	331.1	7.90	179.3
~~1250~~ 1255	472.01	0.98	19.3	52.8	4.88	336.1	7.93	178.2
1300	472.01	1.64	19.5	35.6	3.27	366.6	8.09	173.7
1305	472.01	1.03	19.5	34.3	3.15	372.9	8.15	170.5
1310	472.02	0.64	19.5	33.7	3.10	374.4	8.17	167.9
Sampled								

Sample Time: 1313 Sample Date: 10-1-2020

Purge End Time: 1323

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size 6mm

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	7.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10/08/2020

Well ID: KAFB-106045
Samplers: D. Schmoelk, R. Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/20/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 551.42 ft MRP
Top of Screen: 531.72 ft MRP
Bottom of Screen: 546.72 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/20/2020

Previous Depth to water: 470.82 ft MRP
Depth to Water (DTW): 471.63 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807R-710

Non-Dedicated Pump Depth: 533.72 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW045-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW045-604
Sampling Medium: Water
COC#: COC-045-204

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106045

Purge Information and Field Parameter Date: 10-8-2020

Purge Start Time: 1130 Purge Rate: 0.700 L/min X 0.265 = 0.1855 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 60.90 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	470.82	0.15	16.7	-------	3.16	467.7	7.88	147.6
1135	472.65	1.52	23.3	82.3	6.94	3.0	5.20	394.3
1140	471.65	3.31	22.6	~~117.1~~ 76.9	~~10.15~~ 6.49	211.4	6.79	414.2
1145	471.65	1.02	22.3	48.7	4.25	351.4	7.68	412.4
1150	471.65	0.58	22.3	42.9	3.72	350.6	7.71	407.6
1155	471.65	1.36	22.3	39.0	3.38	349.8	7.71	402.2
1200	471.65	0.60	22.3	36.4	3.14	348.7	7.71	398.2
1205	471.65	0.53	22.4	35.5	3.09	348.2	7.72	395.6
1210	471.65	0.40	22.4	35.2	3.08	347.7	7.72	393.5
Sampled								

Sample Time: 1219 Sample Date: 10-8-2020

Purge End Time: 1223

Bubbles in the vials?: ☑ Yes ☐ No Where? 1xVOC Amount 1 Size >1mm (6mm)

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106046
Project No: 6360401
Samplers: J. Messenger D. Schmeelk
Date: 10-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 515.00 ft MRP

SCREEN SUBMERGED on 7/24/2020 (previous gauging date)
Top of Screen: 490.00 ft MRP

Barricade/Notification: [X]
Bottom of Screen: 510.00 ft MRP

Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 475.63 ft MRP
Depth to Water (DTW): 476.79 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: WH0003

PID: MiniRAE 3000 — Serial No: WH0006

Water Level Meter: Solinst 500 ft — Serial No: WH0812

Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW046-204
Sampling Method: Low-flow

Duplicate ID: (if applicable) GW046-604
Sampling Medium: Water

COC#: COC-046-204

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106046

Purge Information and Field Parameter

Date: 10-20-2020

Purge Start Time: 0920 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 14.37 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	475.63	0.54	19.1	-------	6.09	390.5	7.76	161.4
0925	476.79	0.79	19.1	67.3	6.22	447.4	7.47	390.9
0930	476.80	0.42	19.3	38.4	3.54	452.7	7.46	386.2
0935	476.80	0.54	19.5	22.7	2.08	494.3	7.58	381.8
0940	476.80	0.51	19.5	21.2	1.94	491.3	7.58	376.9
0945	476.80	0.73	19.5	19.9	1.82	488.7	7.57	373.0
0950	476.80	0.59	19.5	19.1	1.75	486.5	7.58	370.2
0955	476.80	0.95	19.5	18.5	1.70	482.7	7.58	367.0

Sample Time: 0957 Sample Date: 10-20-2020

Purge End Time: 1002

6mm

Bubbles in the vials?: [x] Yes [ ] No Where? 2x VOC Amount 1 Size ≤ 1mm

Sampled by: D. Schmeck Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~10 gal~~ 10
2	—
Total	10

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106047
Project No: 6360401
Samplers: J. Messenger D. Schmeelk
Date: 10-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 532.00 ft MRP
SCREEN SUBMERGED on 7/24/2020 (previous gauging date)
Top of Screen: 512.00 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 527.00 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 475.69 ft MRP
Depth to Water (DTW): 476.83 **ft MRP**

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus Serial No: WH0003
PID: MiniRAE 3000 Serial No: WH0006
Water Level Meter: Solinst 500 ft Serial No: WH0012
Turbidity Meter: Hach 2100Q Serial No: WH0007

Sample Information

Sample ID: GW047-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW047-604
Sampling Medium: Water
COC#: COC-047-204

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106047

Purge Information and Field Parameter

Date: 10-20-2020

Purge Start Time: 0815 Purge Rate: 0.920 L/min X 0.265 = 0.2438 gal/min

Description of first water purged: clear, no odor

Drawdown Limit: 36.31 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	475.69	0.88	19.1	-------	6.66	376.3	7.48	163.8
0820	476.86	0.47	19.1	73.4	6.81	418.3	7.49	373.3
0825	476.87	0.52	18.8	70.3	6.54	418.6	7.32	376.6
0830	476.87	1.22	18.8	66.0	6.14	418.6	7.32	378.1
0835	476.87	3.19	18.9	55.6	5.16	419.9	7.43	378.6
0840	476.87	5.24	19.0	43.1	3.99	433.9	7.72	377.2
0845	476.87	1.36	19.1	41.6	3.85	445.0	7.80	375.3
0850	476.87	1.97	19.1	41.6	3.84	445.0	7.79	374.0

Sample Time: 0852 Sample Date: 10-20-2020

Purge End Time: 0855

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size 6mm —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10 gallons
2	—
Total	10 gallons

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-15-2020

Well ID: KAFB-106048
Samplers: D. Schmeelk, R. Witter
Crew Signature: [signature], [signature]

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/24/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 555.50 ft MRP
Top of Screen: 535.50 ft MRP
Bottom of Screen: 550.50 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 475.34 ft MRP
Depth to Water (DTW): 476.66 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 537.5 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW048-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW048-604
Sampling Medium: Water
COC#: COC-048-204

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106048

Purge Information and Field Parameter

Date: 10-15-2020

Purge Start Time: ~~1042~~ 1048 pm Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: ~~Cloudy~~ Muddy and odorless

Drawdown Limit: 60.16 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	475.34	3.17	21	-------	5.3	350.3	7.81	158.5
~~1050~~ 1055	476.70	34.1	22.5	70.7	6.18	391.2	7.90	418.0
~~1055~~ 1100	476.70	26.7	21.1	68.0	6.04	387.9	7.91	407.8
~~1100~~ 1105	476.70	27.3	21.1	68.2	5.96	387.3	7.90	402.8
~~1105~~ 1110	476.70	27.6	21.1	66.7	5.92	387.0	7.90	399.4
Sampled								

lost purge for ~3 min

Sample Time: 1111 Sample Date: 10-15-2020

Purge End Time: 1116 6mm

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	13 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: First purge muddy due to disturbance of bottom of well.

Reviewed by: JM Initials: — Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106049** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW049-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 438.11 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -18.69

Well Depth: 480.70 ft MRP
Top of Screen: 456.80 ft MRP
Bottom of Screen: 476.80 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 0832

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	457.50
2	460.10
3	462.70
4	465.30
5	467.90
6	470.50
7	473.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

~~Seal~~ Needs vault seal re-glue

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW049-204

Well Location ID: KAFB-106049 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 1045 Sampling Team: O. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W+00004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW049-204
Duplicate ID: (if applicable) GW049-604
COC#: COC-049-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106050** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW050-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 437.50 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -36.90

Well Depth: 494.80 ft MRP
Top of Screen: 474.40 ft MRP
Bottom of Screen: 489.40 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 0854

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	475.10
2	477.70
3	480.30
4	482.90
5	485.50

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: [signature] Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW050-204

Well Location ID: KAFB-106050 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 1115 Sampling Team: G. Beyuye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	EDB	VOCs (Choose only one)	BTEX (N) (Choose only one)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup? (Document in notes)	MS/MSD? (Document in notes)
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW050-204
Duplicate ID: (if applicable) GW050-604
COC#: COC-050-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106051** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW051-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 437.84 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -62.96

Well Depth: 521.20 ft MRP
Top of Screen: 500.80 ft MRP
Bottom of Screen: 515.80 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 0845

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	501.50
2	504.10
3	506.70
4	509.30
5	511.90

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: [signature] Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW051-204

Well Location ID: KAFB-106051 **Sampling**

Date Sampled: 10-15-2020 Time Sampled: 0930 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			6mm

Document in notes

Duplicate sample required.

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW051-204
Duplicate ID: (if applicable) GW051-604
COC#: COC-051-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106052** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW052-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 441.24 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -8.36

Well Depth: 484.80 ft MRP
Top of Screen: 449.60 ft MRP
Bottom of Screen: 479.60 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1408

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JS

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	450.30
2	452.90
3	455.50
4	458.10
5	460.70
6	463.30
7	465.90
8	468.50
9	471.10
10	473.70

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW052-204

Well Location ID: KAFB-106052 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 1145 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W H0004

IDW will be taken to: GWTS Pending disposal Area ~~Pending Analysis Yard~~

Sample ID: GW052-204
Duplicate ID: (if applicable) GW052-604
COC#: COC-052-204

Notes:

Reviewed by: [illegible]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106053** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW053-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 441.20 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -37.20

Well Depth: 498.40 ft MRP
Top of Screen: 478.40 ft MRP
Bottom of Screen: 493.40 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1352

PID: MiniRAE 3000 Serial No: W40004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? D

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	479.10
2	481.70
3	484.30
4	486.90
5	489.50

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW053-204

Well Location ID: KAFB-106053 **Sampling**

Date Sampled: 10-09-2020 Time Sampled: 1340 Sampling Team: G. Begaye, S. Newman

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W+10004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW053-204
Duplicate ID: (if applicable) GW053-604
COC#: COC-053-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106054** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW054-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 440.81 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -63.19

Well Depth: 524.00 ft MRP
Top of Screen: 504.00 ft MRP
Bottom of Screen: 519.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1338

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	504.70
2	507.30
3	509.90
4	512.50
5	515.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW054-204

Well Location ID: KAFB-106054 **Sampling**

Date Sampled: 10-09-2020 Time Sampled: 1415 Sampling Team: G. Begaye, S. Newman

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW054-204
Duplicate ID: (if applicable) GW054-604
COC#: COC-054-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106055** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW055-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 447.53 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -18.27

Well Depth: 490.30 ft MRP
Top of Screen: 465.80 ft MRP
Bottom of Screen: 485.80 ft MRP

Deployment Team: Amy Roseborough, Dylan Schmeelk

Date Deployed: 9/16/2020 Time Deployed: 1255

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: ~~WH 0012~~ AR

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	466.50
2	469.10
3	471.70
4	474.30
5	476.90
6	479.50
7	482.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

tether secured w/zip ties

Partially torn tether on 3rd ring from top. DO NOT DEPLOY on this ring; no dups or MS/MSDs. Use rings 1, 2, and 4.

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW055-204

Well Location ID: KAFB-106055 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 1240 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW055-204
Duplicate ID: (if applicable) GW055-604
COC#: COC-055-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106057** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW057-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 448.31 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -36.59

Well Depth: 505.30 ft MRP
Top of Screen: 484.90 ft MRP
Bottom of Screen: 499.90 ft MRP

Deployment Team: Dylan Schmeelk, Amy Roseborough

Date Deployed: 9/14/2020 Time Deployed: 1314

PID: MiniRAE 3000 Serial No: WH000 4

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	485.60
2	488.20
3	490.80
4	493.40
5	496.00

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW057-204

Well Location ID: KAFB-106057 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 1300 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WA0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW057-204
Duplicate ID: (if applicable) GW057-604
COC#: COC-057-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106058** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW058-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 448.88 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -62.92

Well Depth: 530.30 ft MRP
Top of Screen: 511.80 ft MRP
Bottom of Screen: 526.80 ft MRP

Deployment Team: Dylan Schmeck, Amy Rocksbrough

Date Deployed: 9/16/2020 Time Deployed: 1330

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: ~~W~~ AR

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? A

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	512.50
2	515.10
3	517.70
4	520.30
5	522.90

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

all 3 Vault bolts are stripped. 2 x 1/2" and 1 x 9/16

Reviewed by: JM Review Date: 9-17-2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW058-204

Well Location ID: KAFB-106058 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 1200 Sampling Team: G Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW058-204
Duplicate ID: (if applicable) GW058-604
COC#: COC-058-204

Reviewed by: [signature]

Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106059
Project No: 6360401
Samplers: D. Schmaeck, A. Rosebrough
Date: 10/23/2020
Crew Signature:

Well Information

Well was previously HAZARDOUS
Well Depth: 511.46 ft MRP
SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 486.46 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 506.46 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: 90 Day Area
IDW Label: Orange Hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.7 ppm

LNAPL Present (circle one)? (Yes) No
LNAPL Thickness: 0.01 ft
LNAPL observed during last gauging event: 7/23/2020
Bailed napl till 0.00

Previous Depth to water: 470.41 ft MRP
Depth to Water (DTW): ~~471.53~~ AR 471.51 **ft MRP**

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-902

Non-Dedicated Pump Depth: 488.46 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: WH0003
PID: MiniRAE 3000 — Serial No: WH0004
Water Level Meter: Solinst 500 ft — Serial No: 253056
Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW059-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW059-604
Sampling Medium: Water
COC#: COC-059-204

Reviewed by: Initials: Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106059

Purge Information and Field Parameter

Date: 10/23/2020

Purge Start Time: 1545 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: Hydrocarbon smell, yellow tint

Drawdown Limit: 16.05 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	470.41	1.66	20.2	-------	0.58	1016	7.24	-134.8
1555	471.54	7.13	19.8	12.6	1.15	802	6.76	-69.9
1600	471.55	3.83	19.6	9.6	0.86	793	6.78	-87.8
1605	471.55	3.87	19.6	6.3	0.57	791	6.80	-98.2
1610	471.55	3.78	19.6	4.6	0.42	709	6.79	-103.6
1615	471.55	5.15	19.5	3.8	0.34	789	6.79	-108.3
1620	471.56	3.38	19.5	3.3	0.30	786	6.81	-112.0
1625	471.56	3.33	19.4	2.8	0.26	774	6.82	-115.1
1630	471.54	3.68	19.4	2.8	0.25	777	6.81	-116.9
1635	471.55	3.34	19.4	2.6	0.24	767	6.82	-117.8
					10-23-2020			

Sample Time: 1636 Sample Date: 10/23/2020

Purge End Time: 1645

6mm

Bubbles in the vials?: [X] Yes [ ] No Where? VOC's / EDB Amount 1 bubble Size < 2mm

Sampled by: Amy Rosebrough Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14.00
2	
Total	

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments:

Reviewed by: Initials: Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-20-2020

Well ID: KAFB-106060
Samplers: D Schweelk
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: ~~Pending Analysis Yard~~ GWTS / Pending Disposal Area

Well Depth: 523.00 ft MRP
Top of Screen: 503.00 ft MRP
Bottom of Screen: 518.00 ft MRP
Reference Elevation Interval: 4838

IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged

Well Locked/Security Bolt Present: Yes No

Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 467.96 ft MRP

Depth to Water (DTW): 468.92 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW060-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW060-604	Sampling Medium:	Water
COC#:	COC-060-204		

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106060

Purge Information and Field Parameter Date: 10-20-2020

Purge Start Time: 1433 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 35.04 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	467.96	0.2	18.8	-------	6.68	396.8	7.33	149.1
1435	468.95	0.43	19.5	74.6	6.83	662	7.67	340.8
1440	468.95	0.50	19.0	71.2	6.59	739	7.68	342.8
1445	468.95	0.73	18.9	69.6	6.40	737	7.62	340.7
1450	468.95	0.98	18.9	68.3	6.32	735	7.59	338.9
Sampled								

Sample Time: 1456 Sample Date: 10-20-2020

Purge End Time: 1458 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schaqelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	5
2	
Total	

IDW will be taken to: ~~Pending Analysis Yard~~ GWTS / Pending Disposal Area

IDW Label: White Pending Analysis

Comments:

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-15-2020

Well ID: KAFB-106061
Samplers: D.Schmeelk, R.Witter
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 593.20 ft MRP
Top of Screen: 573.20 ft MRP
Bottom of Screen: 588.20 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 467.93 ft MRP
Depth to Water (DTW): 468.92 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 575.20 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW061-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW061-604
Sampling Medium: Water
COC#: COC-061-204

Reviewed by: Initials: Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106061

Purge Information and Field Parameter

Date: 10-15-2020

Purge Start Time: 1436 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: Clear & ~~ordor~~ odorless

Drawdown Limit: 105.27 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	467.93	1.55	18.7	-------	6.86	320.1	7.38	149.1
1440	468.95	0.59	26.4	106.7	8.68	2.9	4.97	380.0
1445	468.95	6.51	24.7	42.5	3.38	364.9	7.85	401.1
1450	468.95	6.01	23.1	29.7	2.54	364.9	7.86	399.0
1455	468.95	4.61	22.8	27.6	2.37	364.8	7.86	395.7
1500	468.95	3.55	22.5	26.7	2.30	364.9	7.86	391.7
1505	468.95	2.81	22.4	26.2	2.27	364.9	7.85	388.0
Sampled								

Sample Time: 1509 Sample Date: 10-15-2020

Purge End Time: 1514

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size 6mm

Sampled by: Riley Witter Sampler Signature: R Witter

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106062
Project No: 6360401
Samplers: J. Messenger, D. Schmeelk
Date: 10-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 597.97 ft MRP
SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 578.27 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 593.27 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 473.91 ft MRP
Depth to Water (DTW): 475.05 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW062-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW062-604
Sampling Medium: Water
COC#: COC-062-204

Reviewed by: Amanda Smith Initials: AS Review Date: 11/17/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: ~~KAFB-106078~~ KAFB-106062

Purge Information and Field Parameter Date: 10-20-2020

Purge Start Time: 1025 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 105.55 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
~~Historical Data:~~	~~467.95~~	~~1.56~~	~~20.1~~	~~------~~	~~2.24~~	~~366.1~~	~~7.87~~	~~123.6~~
1030	475.06	1.99	17.9	75.7	7.18	390.5	7.64	359.5
1035	475.06	1.29	17.9	73.3	6.94	390.6	7.52	361.2
1040	475.06	1.09	18.2	71.4	6.73	390.8	7.44	362.3
1045	475.06	1.06	18.4	66.5	6.23	391.1	7.43	362.9
1050	475.06	3.74	18.7	49.6	4.62	390.9	7.53	361.9
1055	475.06	12.8	18.9	44.7	4.16	390.9	7.69	360.5
1100	475.06	9.69	18.9	44.7	4.15	391.2	7.73	359.5
1105	475.06	6.65	18.9	44.7	4.15	391.4	7.72	358.9
1110	475.06	6.18	19.0	43.5	4.04	391.4	7.73	358.3

AS

Sample Time: 1113 Sample Date: 10-20-2020

Purge End Time: 1118 6mm

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	13 gal
2	—
Total	13 gal

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-14-2020

Well ID: KAFB-106063
Samplers: G. Begaye, J. Estes
Crew Signature: [signature], [signature]

Well Information

Well was previously HAZARDOUS

SCREEN SUBMERGED on 5/19/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

IDW will be taken to: 90 Day Area

Well Depth: 528.13 ft MRP
Top of Screen: 508.13 ft MRP
Bottom of Screen: 523.13 ft MRP
Reference Elevation Interval: 4838

IDW Label: Orange Hazardous

Protective Casing/Vault: (Intact) Damaged

Well Locked/Security Bolt Present: (Yes) No

Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 2.50 ppm

LNAPL Present (circle one)? Yes (No)

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 5/19/2020

Previous Depth to water: 473.91 ft MRP

Depth to Water (DTW): 475.70 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: 106409

PID: MiniRAE 3000 — Serial No: WH0004

Water Level Meter: Solinst 500 ft — Serial No: 281094

Turbidity Meter: Hach 2100Q — Serial No: 13000028753

QED controller MP 10H-1409

Sample Information

Sample ID: GW063-204
Sampling Method: Low-flow

Duplicate ID: (if applicable) GW063-604
Sampling Medium: Water

COC#: COC-063-204

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106063

Purge Information and Field Parameter

Date: 10-14-2020

Purge Start Time: 0728 Purge Rate: 300 ml/stroke ~~L/min~~ X 0.265 = — gal/min

Description of first water purged: —

Drawdown Limit: 34.22 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	~~Specific~~ Conductance mS ~~(µS/cm)~~	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	473.91	1.1	16.7	-------	1.94	417	7.31	156.3
0748	475.70	10.50	17.1		3.55	0.952	7.25	59.2
0758	475.75	9.41	17.1		1.51	0.959	7.05	-81.7
0808	475.75	7.80	17.4		0.85	0.915	6.91	-85.5
0823	475.75	9.20	17.6		0.52	0.888	6.88	-105.2
0838	475.75	7.03	17.7		0.39	0.877	6.87	-113.7
0848	475.75	7.15	17.8		0.34	0.876	6.87	-116.3
0858	475.75	8.69	17.9		0.31	0.867	6.87	-118.5
0908	475.75	6.57	18.0		0.27	0.867	6.87	-121.5
0918	475.75	6.63	18.0		0.25	0.872	6.86	-123.1
0928	475.75	6.53	18.1		0.23	0.867	6.86	-124.3
0938	475.75	7.78	18.2		0.21	0.865	6.87	-127.0
0948	475.75	7.92	18.2		0.20	0.864	6.87	-128.2
0958	475.75	9.38	18.3		0.21	0.868	6.87	-129.9

Sample Time: 1005 Sample Date: 10-14-2020

Purge End Time: —

Bubbles in the vials?: [X] Yes [ ] No Where? VOC Amount 2 Size <2mm (6mm)

Sampled by: Galveston Begaye Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	
2	
Total	

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments: (2) VOC samples have bubbles less than 6mm

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106064
Project No: 6360401
Samplers: G-Begaye, J-Eitch
Date: 10-14-2020
Crew Signature:

Well Information

Well was previously HAZARDOUS

SCREEN SUBMERGED on 5/19/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

IDW will be taken to: 90 Day Area

Well Depth: 513.06 ft MRP
Top of Screen: 488.06 ft MRP
Bottom of Screen: 508.06 ft MRP
Reference Elevation Interval: 4857

IDW Label: Orange Hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 3.70 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 5/19/2020

Previous Depth to water: 473.08 ft MRP
Depth to Water (DTW): 474.93 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: 104358

PID: MiniRAE 3000 — Serial No: WH0004

Water Level Meter: Solinst 500 ft — Serial No: 288409

Turbidity Meter: Hach 2100Q — Serial No: 13000028753

QED controller MP10H-1408

Sample Information

Sample ID: GW064-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW064-604
Sampling Medium: Water
COC#: COC-064-204

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106064

Purge Information and Field Parameter Date: 10-14-2020

Purge Start Time: 0726 Purge Rate: 300 ml/stroke ~~L/min~~ X 0.265 = — gal/min

Description of first water purged: —

Drawdown Limit: 14.98 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	~~Specific~~ Conductance mS (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	473.08	0.91	18	-------	0	707	7.09	-257.5
0745	474.93	11.2	16.6		0.23	1.266	6.88	75.3
0800	474.93	8.53	17.1		0.07	1.185	6.76	-19.9
0815	474.93	8.48	17.2		0.00	1.178	6.73	-56.9
0825	474.93	8.42	17.4		0.00	1.181	6.73	-74.7
0835	474.93	8.30	17.4		0.00	1.185	6.72	-86.2
0845	474.93	9.44	17.6		0.00	1.189	6.72	-94.2
0855	474.93	9.52	17.6		0.00	1.189	6.72	-96.6
0905	474.93	9.30	17.6		0.00	1.189	6.72	-100.9
					10-14-2020			

Sample Time: 0905 Sample Date: 10-14-2020

Purge End Time: — 6mm

Bubbles in the vials?: [X] Yes [ ] No Where? EDB/VOC Amount 2/1 Size <2mm/<2mm

Sampled by: Galveston Begaye Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	
2	
Total	

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments: (2) EDB samples and (1) VOC sample have bubbles less than 6mm

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-19-2020

Well ID: KAFB-106065
Samplers: J. Messenger D. Schmeelk
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: ~~GWTS/Pending Disposal Area~~ Pending Analysis Yard

Well Depth: 528.00 ft MRP
Top of Screen: 508.00 ft MRP
Bottom of Screen: 523.00 ft MRP
Reference Elevation Interval: 4838

IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged

Well Locked/Security Bolt Present: (Yes) No

Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 471.5 ft MRP

Depth to Water (DTW): 472.87 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	6T 0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW065-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW065-604	Sampling Medium:	Water
COC#:	COC-065-204		

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106065

Purge Information and Field Parameter

Date: 10-19-2020

Purge Start Time: 1244 Purge Rate: 0.620 L/min X 0.265 = 0.1643 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 36.50 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.5**	**0.74**	**16.4**	-------	**5.65**	**768**	**7.09**	**122.9**
1250	472.89	2.06	15.8	64.3	6.36	655	7.13	173.4
1255	472.89	1.69	16.0	59.5	5.86	653	7.12	183.9
1300	472.89	2.12	16.3	~~60.0~~ 57.1 JM	~~5.87~~ 5.79 JM	650	7.14	191.9
1305	472.89	2.82	16.5	59.5	5.80	644	7.16	201.3

Sample Time: 1307 Sample Date: 10-19-2020

Purge End Time: 1313 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeck Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	5 gal
2	—
Total	5 gal AS

IDW will be taken to: ~~GWTS/Pending Disposal Area~~ AS Pending Analysis Yard

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-16-2020

Well ID: KAFB-106066
Samplers: D. Schmeeik, R. Witter
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 595.80 ft MRP
Top of Screen: 575.60 ft MRP
Bottom of Screen: 590.60 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 471.86 ft MRP
Depth to Water (DTW): ~~473~~ 473.30 **ft MRP** * double checked

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW066-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW066-604
Sampling Medium: Water
COC#: COC-066-204

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106066

Purge Information and Field Parameter Date: 10-16-2020

Purge Start Time: 1156 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 103.74 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	471.86	7.12	17	-------	4.35	336.6	7.6	81.7
1200	473.30	0.46	15.0	89.7	9.08	333.1	7.43	350.2
1205	473.30	0.32	15.3	82.0	8.18	333.6	7.42	346.8
1210	473.30	0.53	15.8	76.7	7.56	333.7	7.36	345.9
1215	473.30	0.50	16.2	74.6	7.32	334.1	7.34	345.6
1220	473.30	0.43	16.5	64.4	6.24	334.1	~~7.6~~ 7.46	344.2
1225	473.30	0.41	16.6	48.9	4.76	333.8	7.65	342.6
1230	473.28	0.69	16.7	45.8	4.43	333.8	7.73	341.6
1235	473.28	1.17	16.7	46.0	4.47	333.4	7.80	340.4
Sampled								

Sample Time: 1239 Sample Date: 10-16-2020

Purge End Time: 1244 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: Riley Witter Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106067
Project No: 6360401
Samplers: D. Schmoelk, J. Messenger
Date: 10-19-2020
Crew Signature: [signature], [signature]

Well Information

Well was NOT HAZARDOUS
Well Depth: 510.00 ft MRP
SCREEN SUBMERGED on 7/21/2020 (previous gauging date)
Top of Screen: 485.00 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 505.00 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4857
IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/21/2020

Previous Depth to water: 470.36 ft MRP
Depth to Water (DTW): 472.08 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	~~Solinst 500 ft~~ Geotech	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW067-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW067-604	Sampling Medium:	Water
COC#:	COC-067-204		

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106067

Purge Information and Field Parameter Date: 10-19-2020

Purge Start Time: 0956 Purge Rate: 0.960 L/min X 0.265 = .2544 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 14.64 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	470.36	1.85	18.9	-------	0.16	788	7.17	-133.1
1000	472.13	1.46	18.0	67.0	6.33	614	7.37	257.3
1005	472.13	1.46	18.4	8.4	0.74	939	7.05	69.2
1010	472.13	6.56	18.6	5.0	0.47	1039	7.08	-21.8
1015	472.13	3.09	18.6	3.8	0.35	1024	7.08	-46.1
1020	472.13	4.08	18.6	3.0	0.28	1011	7.06	-61.4
1025	472.13	3.73	18.6	2.4	0.22	~~785~~ 1003	7.07	-69.9
1030	472.13	2.44	18.6	2.1	0.19	993	7.06	-78.1
1035	472.13	1.75	18.6	1.8	0.17	994	7.07	-83.1
1040	472.13	1.15	18.6	1.7	0.16	984	7.07	-87.9
1045	472.13	1.35	18.6	1.5	0.14	982	7.07	-90.9
1050	472.13	1.56	18.6	1.4	0.13	976	7.07	-93.7
1055	472.13	1.07	18.6	1.4	0.13	979	7.08	-96.7

Sample Time: 1058 Sample Date: 10-19-2020

Purge End Time: 1104

6mm

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	18
2	—
Total	18 galkns AS

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106068
Project No: 6360401
Samplers: D. Schmeeik, R. Witmer
Date: 10-16-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/21/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 600.00 ft MRP
Top of Screen: 580.00 ft MRP
Bottom of Screen: 595.00 ft MRP
Reference Elevation Interval: 4814

IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged

Well Locked/Security Bolt Present: Yes No

Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/21/2020

Previous Depth to water: 470.3 ft MRP

Depth to Water (DTW): 472.05 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: WH0003

PID: MiniRAE 3000 — Serial No: WH0006

Water Level Meter: Solinst 500 ft — Serial No: WH0012

Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW068-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW068-604
Sampling Medium: Water
COC#: COC-068-204

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106068

Purge Information and Field Parameter

Date: 10-16-2020

Purge Start Time: 1025 Purge Rate: 0.720 L/min X 0.265 = 0.1908 gal/min

Description of first water purged: Clear & ~~odo~~ odorless

Drawdown Limit: 109.70 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	470.3	0.7	18.5	-------	6.24	369.1	7.46	134
1030	472.05	1.38	18.1	75.7	7.19	342.8	7.38	301.0
1035	472.05	1.74	17.8	76.8	7.20	343.9	7.47	288.8
1040	472.05	11.9	18.0	72.6	7.00	343.9	7.42	291.6
1045	472.05	12.9	18.2	72.1	6.76	344.0	7.43	294.0
1050	472.05	7.07	18.2	~~67.~~ 66.5	6.28	343.8	7.52	297.4
1055	472.05	4.57	18.3	62.5	5.94	344.0	7.68	298.9
1100	472.05	5.30	18.4	61.8	5.85	345.1	7.75	300.7
Sampled								

Sample Time: 1111 Sample Date: 10-16-2020

Purge End Time: 1115 6mm

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

Sampled by: Riley Witter Sampler Signature: Riley Witter

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: JM Initials: ✓ Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-16-2020

Well ID: KAFB-106069
Samplers: D. Schmeelk, R. Witter
Crew Signature: [signature], [signature]

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/21/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 526.00 ft MRP
Top of Screen: 506.00 ft MRP
Bottom of Screen: 521.00 ft MRP
Reference Elevation Interval: 4838

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/21/2020

Previous Depth to water: 469.98 ft MRP
Depth to Water (DTW): 471.79 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18073-710

Non-Dedicated Pump Depth: 508.00 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW069-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW069-604
Sampling Medium: Water
COC#: COC-069-204

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106069

Purge Information and Field Parameter Date: 10-16-2020

Purge Start Time: 0829 Purge Rate: 0.920 L/min X 0.265 = 0.2438 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 36.02 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	469.98	0.48	19.2	-------	1.03	786	7.7	58.3
0835	471.78	1.58	14.1	71.0	7.34	2.3	4.04	466.3
0840	471.78	0.62	14.8	11.0	1.14	546.7	7.53	318.0
0845	471.78	0.54	15.4	5.2	0.52	554.0	7.66	102.1
0850	471.78	0.48	15.9	3.9	0.38	554.9	7.67	32.2
0855	471.78	0.65	16.3	3.3	0.32	555.9	7.69	-2.3
* 0900	471.78	0.80	16.6	3.0	0.28	557.3	7.70	-29.2
0905	471.78	0.59	17.0	2.8	0.27	557.9	7.69	-43.5
0910	471.78	0.73	17.0	2.7	0.26	558.2	7.69	-54.9*
~~0911~~ *	Sampled							

Sample Time: 0911 Sample Date: 10-16-2020

Purge End Time: 0918 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	19 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: *VOC odor present in purge water.

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106070** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW070-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 441.65 (Gauged on 7/24/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -18.35

Well Depth: 485.00 ft MRP
Top of Screen: 460.00 ft MRP
Bottom of Screen: 480.00 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 0859

PID: MiniRAE 3000 Serial No: 4H0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	460.70
2	463.30
3	465.90
4	468.50
5	471.10
6	473.70
7	476.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW070-204

Well Location ID: KAFB-106070 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1045 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW070-204
Duplicate ID: (if applicable) GW070-604
COC#: COC-070-204

Notes:

Reviewed by: [illegible]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106071** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW071-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 443.95 (Gauged on 7/24/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -104.05

Well Depth: 568.00 ft MRP
Top of Screen: 548.00 ft MRP
Bottom of Screen: 563.00 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 0930

PID: MiniRAE 3000 Serial No: W40004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	548.70
2	551.30
3	553.90
4	556.50
5	559.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW071-204

Well Location ID: KAFB-106071 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1030 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? JB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW071-204
Duplicate ID: (if applicable) GW071-604
COC#: COC-071-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106072** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW072-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 442.11 (Gauged on 7/23/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -32.89

Well Depth: 500.00 ft MRP
Top of Screen: 475.00 ft MRP
Bottom of Screen: 495.00 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-21 Time Deployed: 0917

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	475.70
2	478.30
3	480.90
4	483.50
5	486.10
6	488.70
7	491.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW072-204

Well Location ID: KAFB-106072 **Sampling**

Date Sampled: 10-15-2020 Time Sampled: 1115 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **Pending Analysis Yard**

Notes:

Sample ID: GW072-204
Duplicate ID: (if applicable) GW072-604
COC#: COC-072-204

Reviewed by: JM

Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106073
Project No: 6360401
Samplers: D. Schmeltz, R. Wittler
Date: 10-12-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 519.50 ft MRP
SCREEN SUBMERGED on 7/22/2020 (previous gauging date)
Top of Screen: 499.50 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 514.50 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 462.32 ft MRP
Depth to Water (DTW): 464.01 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 501.50 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW073-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW073-604
Sampling Medium: Water
COC#: COC-073-204

Reviewed by: Initials: Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106073

Purge Information and Field Parameter Date: 10-12-2020

Purge Start Time: 0948 Purge Rate: 0.740 L/min X 0.265 = 0.1961 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 37.18 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	462.32	4.04	20.1	-------	0.55	748	7.11	33.3
0950	464.02	0.55	18.0	77.3	7.30	3.5	5.53	413.9
0955	464.02	0.35	18.1	82.0	7.71	2.9	4.93	411.9
1000	464.02	191	18.3	25.0	2.26	632	7.43	434.6
1005	464.02	99.6	18.7	9.0	0.82	636	7.52	400.0
1010	464.02	39.0	18.9	5.5	0.50	631	7.53	380.8
1015	464.02	32.9	19.0	4.4	0.40	640	7.54	371.4
1020	464.02	39.1	19.0	3.9	0.36	636	7.55	362.7
1025	464.02	22.7	19.1	3.4	0.30	643	7.54	348.0
1030	464.02	24.3	19.2	3.2	0.30	639	7.56	331.8
1035	464.02	13.1	19.3	3.2	0.29	651	7.54	327.0
1040	464.02	10.7	19.4	3.1	0.28	645	7.54	321.2
1045	464.02	7.71	19.6	2.6	0.24	652	7.56	315.7
1050	464.02	9.77	19.7	2.6	0.24	654	7.54	310.9

Sample Time: 1051 Sample Date: 10-12-2020

Purge End Time: 1057 6mm

Bubbles in the vials?: [X] Yes [ ] No Where? EDB Amount 1 Size <1mm

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	21
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Did not stabilize DO & Turbidity - Sampled according to Work Plan

Reviewed by: [signature] Initials: [signature] Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10/12/2020

Well ID: KAFB-106074
Samplers: Dylan Schmeeik, Riley Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 589.50 ft MRP
Top of Screen: 569.50 ft MRP
Bottom of Screen: 584.50 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 463.08 ft MRP
Depth to Water (DTW): 464.72 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 571.50 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	~~WH0012~~ * WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW074-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW074-604	Sampling Medium:	Water
COC#:	COC-074-204		

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106074

Purge Information and Field Parameter Date: 10-12-2020

Purge Start Time: 0813 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 106.42 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	463.08	0.17	17.3	-------	3.16	347.6	7.53	179.7
0815	464.72	0.94	14.9	75.9	7.69	25.4	3.89	383.8
0820	464.72	0.41	15.8	97.1	9.40	4.0	4.30	398.1
0825	464.72	2.02	16.5	40.0	3.86	472.5	7.55	414.3
0830	464.72	1.73	17.6	36.7	3.50	*~~444.9~~ 516.2	7.68	404.7
0835	464.72	1.42	17.8	36.4	3.45	519.7	7.65	400.7
0840	464.72	1.21	18.0	36.5	3.45	522.4	7.68	399.5
Sampled								

Sample Time: 0841 Sample Date: 10-12-2020

Purge End Time: 0846

Bubbles in the vials?: [X] Yes [/] No (DW) Where? EDB Amount 1 Size 1mm 6mm

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~10.99~~ * 14.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: *wrote Conductance, instead of Specific Conductance.

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10/23/2020

Well ID: KAFB-106075
Samplers: A. Rosebrough, D. Schmeelk
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Well Depth: 505.00 ft MRP
Top of Screen: 480.00 ft MRP
Bottom of Screen: 500.00 ft MRP
Reference Elevation Interval: 4857

Protective Casing/Vault: Intact Damaged

Well Locked/Security Bolt Present: Yes No

Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 463.04 ft MRP

Depth to Water (DTW): 464.70 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW075-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW075-604
Sampling Medium: Water
COC#: COC-075-204

Reviewed by: Initials: — Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106075

Purge Information and Field Parameter

Date: 10/23/2020

Purge Start Time: 0807 Purge Rate: .960 L/min X 0.265 = .2544 gal/min

Description of first water purged: clear, no smell

Drawdown Limit: 16.96 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	463.04	0.74	18.3	-------	0.31	1132	7.41	88.3
0815	464.78	123	17.7	58.8	5.53	536.3	7.15	371.2
0820	464.71	154	17.9	80.4	7.51	1260	7.26	272.6
0825	464.71	29.4	18.0	71.3	6.71	1245	7.32	243.6
0830	464.72	16.3	18.0	68.3	6.42	1219	7.36	253.6
0835	464.72	15.2	18.0	62.8	5.93	1184	7.38	266.8
0840	464.72	11.9	18.1	60.3	5.69	1163	7.39	269.3
0845	464.72	11.1	18.1	58.8	5.52	1139	7.40	280.5
0850	464.72	10.1	18.1	56.2	5.28	1119	7.42	284.6
0855	464.73	8.08	18.1	54.5	5.13	1100	7.42	284.8
0900	464.73	7.32	18.1	51.7	4.87	1075	7.43	289.2
0905	464.73	6.62	18.1	50.8	4.78	1062	7.43	287.8
Sampled								

Sample Time: 0911 Sample Date: 10/23/2020

Purge End Time: 0915

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size 6mm —

Sampled by: Amy Rosebrough Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17.30
2	
Total	AR ~~22~~ 17.30

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: [signature] Initials: — Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106076
Project No: 6360401
Samplers: D.Schweelk, G.Begaye
Date: 10-30-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 505.00 ft MRP

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 480.00 ft MRP

Barricade/Notification: ☐
Bottom of Screen: 500.00 ft MRP

Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4857

IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 467.68 ft MRP
Depth to Water (DTW): 469.09 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-~~9~~* 710

Non-Dedicated Pump Depth: 482.00 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	~~Solinst~~ Geotech 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW076-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW076-604	Sampling Medium:	Water
COC#:	COC-076-204		

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106076

Purge Information and Field Parameter Date: 10-30-2020

Purge Start Time: 0841 Purge Rate: 0.560 L/min X 0.265 = 0.1484 gal/min

Description of first water purged: yellow tint w/strong VOC odor

Drawdown Limit: 12.32 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	467.68	5.9	19	-------	0.33	382.5	7.66	-113.4
0850	469.09	16.3	16.7	34.4	3.14	1155	6.47	31.4
0855	469.07	14.8	17.5	9.9	0.94	1162	6.58	-14.3
0900	469.07	13.2	17.7	6.0	0.57	1151	6.63	-34.2
0905	469.09	12.7	18.1	4.0	0.37	1116	6.67	-50.9
0910	469.09	12.8	18.1	3.3	0.30	1091	6.69	-59.3
0915	469.09	11.8	18.4	2.9	0.26	1067	6.71	-62.0
0920	469.10	11.6	18.5	2.6	0.25	1054	6.71	-64.0
0925	469.10	11.6	18.5	2.5	0.24	1042	6.72	-65.5

Sample Time: 0928 Sample Date: 10-30-2020

Purge End Time: ~~0935~~ 0941

6mm

Bubbles in the vials?: ☑ Yes ☐ No Where? All Amount 1 Size ≤ 4mm

Sampled by: D Schmelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14
2	—
Total	14

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106077
Project No: 6360401
Samplers: Dylan Schmeelk, Riley Wittler
Date: 10/09/2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/24/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 524.00 ft MRP
Top of Screen: 504.00 ft MRP
Bottom of Screen: 519.00 ft MRP
Reference Elevation Interval: 4838

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 468.81 ft MRP
Depth to Water (DTW): 469.64 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 506 ft ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW077-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW077-604
Sampling Medium: Water
COC#: COC-077-204

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106077

Purge Information and Field Parameter

Date: 10-9-2020

Purge Start Time: 1211 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 35.19 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	468.81	0.56	22.2	-------	3.45	478.1	7.82	99.2
1215	469.70	0.53	23.6	85.2	7.28	3.3	4.45	353.1
1220	469.70	5.58	24.7	~~109.1~~ 63.9	~~9.30~~ 5.42	369.9	7.39	382.6
1225	469.70	3.43	24.2	50.0	4.16	385.2	7.69	377.3
1230	469.70	2.75	24.0	47.8	4.02	377.2	7.69	375.1
1235	469.70	1.99	23.9	45.6	3.84	384.7	7.69	372.9
Sampled								

Sample Time: 1238 Sample Date: 10-9-2020

Purge End Time: 1241 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~30.2~~ ~~20.1~~ 14
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Replaced 1×3/8 bolt (SS) on vault lid

Reviewed by: Initials: Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106078
Project No: 6360401
Samplers: J. Messenger, D Schmeelk
Date: 10-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 593.50 ft MRP

SCREEN SUBMERGED on 7/24/2020 (previous gauging date)
Top of Screen: 573.50 ft MRP

Barricade/Notification: ☐
Bottom of Screen: 588.50 ft MRP

Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 467.95 ft MRP
Depth to Water (DTW): 468.86 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW078-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW078-604	Sampling Medium:	Water
COC#:	COC-078-204		

Reviewed by: Amanda Smith Initials: AS Review Date: 11/17/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: ~~KAFB-106062~~ KAFB-106078

Purge Information and Field Parameter Date: 10-20-2020

Purge Start Time: 1145 Purge Rate: 0.640 L/min X 0.265 = 0.1696 gal/min

Description of first water purged: clear, no odor

Drawdown Limit: 104.36 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
~~Historical Data:~~	~~473.91~~	~~0.38~~	~~17.4~~	~~------~~	~~6.79~~	~~606~~	~~7.54~~	~~164.1~~ AS
1150	468.87	3.12	19.4	73.7	6.78	373.9	7.35	370.1
1155	468.87	4.40	19.4	69.9	6.41	374.1	7.37	367.7
1200	468.87	30.8	19.6	67.5	6.19	374.3	7.38	366.3
1205	468.87	17.5	19.8	65.6	5.90 DS	374.4	7.39	365.0
1210	468.86	15.3	20.0	64.4	5.85	374.4	7.39	363.9
1215	468.85	15.2	20.1	58.1	5.34	374.4	7.35	363.2
1220	468.85	14.6	20.3	50.9	4.60	374.7	7.30	362.0
1225	468.85	13.1	20.3	46.6	4.21	374.4	7.27	360.6
1230	468.85	19.2	20.3	40.1	3.62	373.9	7.35	358.9
1235	468.85	22.8	20.3	36.8	3.32	373.7	7.42	357.7
1240	468.85	21.2	20.3	32.1	2.89	373.4	7.53	355.8
1245	468.85	19.0	20.4	29.4	2.65	373.3	7.60	354.1
1250	468.85	16.6 *	20.2	27.3	2.51 *	373.0	7.67	352.1

Sample Time: 1253 Sample Date: 10-20-2020

Purge End Time: 1257 6mm

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

Sampled by: D. Schnoeck Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	15 gal
2	—
Total	15 gal

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: * Did not stabilize turbidity + DO Sampled according to Work Plan

Reviewed by: Amanda Smith Initials: AS Review Date: 11/17/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-30-2020

Well ID: KAFB-106079
Samplers: D. Schmeelk, G. Begaye
Crew Signature:

Well Information

~~Well was previously HAZARDOUS~~ IP

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

IDW will be taken to: ~~90 Day Area~~ IP

Well Depth: 512.43 ft MRP
Top of Screen: 486.83 ft MRP
Bottom of Screen: 506.83 ft MRP
Reference Elevation Interval: 4857

IDW Label: ~~Orange Hazardous~~ White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 1.2 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 472.33 ft MRP
Depth to Water (DTW): 473.96 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-~~910~~ 710

Non-Dedicated Pump Depth: _____ ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	~~Solinst~~ Geotech 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW079-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW079-604	Sampling Medium:	Water
COC#:	COC-079-204		

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106079

Purge Information and Field Parameter Date: 10-30-2020

Purge Start Time: 1400 Purge Rate: 0.700 L/min X 0.265 = 0.1855 gal/min

Description of first water purged: clear and VOC odor

Drawdown Limit: 14.50 ft (based on previous water level)

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Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	472.33	4.59	18.8	-------	0.4	1191	6.83	-127.6
1405	474.00	9.80	18.9	6.1	0.58	1203	6.79	-15.4
1410	474.01	6.83	18.9	7.7	0.68	1203	6.84	-57.6
1415	~~474.*~~ 475.9	6.48	18.6	5.3	0.47	1203	6.85	-66.8
1420	474.02	7.41	18.7	4.3	0.40	1204	6.86	-72.9
1425	474.02	7.18	18.6	3.1	0.29	1206	6.86	-77.5
1430	474.01	8.06	18.6	2.6	0.24	1205	6.87	-80.1
1435	474.01	9.41	18.6	2.3	0.23	1206	6.87	-81.7
1440*	474.01	9.80	18.6	2.2	0.22	1204	6.88	-83.6

Sample Time: 1442 Sample Date: 10-30-2020

Purge End Time: 1449 6mm

Bubbles in the vials?: [X] Yes [ ] No Where? EDB Amount 1 Size <1mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~9.1~~*
2	14 gal
Total	~~9.1~~*

IDW will be taken to: ~~90 Day Area~~* Pending Analysis Yard

IDW Label: ~~Orange Hazardous~~* White Pending

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106080
Project No: 6360401
Samplers: GB J. Messenger GB D. Schmeeth
Date: GB ~~10-19-2020~~ 11-24-2020
Crew Signature: G. Begaye, A. Rosebrough

Well Information

Well was NOT HAZARDOUS
Well Depth: 526.11 ft MRP

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)
Top of Screen: 505.91 ft MRP

Barricade/Notification: ☐
Bottom of Screen: 520.91 ft MRP

Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4838

IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 470.94 ft MRP
Depth to Water (DTW): GB ~~472.25~~ 471.67 **ft MRP**

Pump Information

Dedicated Pump

Bennett Pump Serial No.: GB ~~Not Applicable - Dedicated pump present~~ SN: 1807B-710

Non-Dedicated Pump Depth: ~~NA~~ GB 507.91 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	GB ~~GT 0001~~ WH0566
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW080-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW080-604	Sampling Medium:	Water
COC#:	COC-080-204		

Reviewed by: JM Initials: — Review Date: 1-19-21

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106080

Purge Information and Field Parameter Date: GB ~~10-19-2020~~ 11-24-2020

Purge Start Time: 1250 Purge Rate: 0.780 L/min X 0.265 = 0.207 gal/min

Description of first water purged: clear with VOC smell

Drawdown Limit: 34.97 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	470.94	1.53	19	-------	0.36	893	6.9	-100.2
1255	471.67	2.00	18.1	9.8	1.29	1188	6.85	-40.7
1300	471.68	1.30	18.1	8.0	0.75	1191	6.86	-58.1
1305	471.66	1.25	17.9	5.9	0.55	1194	6.89	-65.5
1310	471.66	1.25	18.2	5.1	0.48	1192	6.90	-67.2
1315	471.68	1.16	17.9	4.0	0.38	1193	6.88	-69.7
1320	471.68	1.25	18.0	3.7	0.34	1193	6.88	-71.1
1325	471.67	1.10	18.0	3.3	0.31	1193	6.90	-72.0
1330	471.68	1.21	17.9	3.0	0.29	1191	6.89	-71.6
1335	471.68	1.46	17.9	2.9	0.27	1188	6.89	-71.9
1340	471.68	1.09	18.2	2.7	0.25	1187	6.91	-71.9
1345	471.68	1.39	18.1	2.7	0.25	1186	6.89	-69.0
		GB		11-24-2020				

Sample Time: 1348 Sample Date: GB ~~10-19-2020~~ 11-24-2020

Purge End Time: 1354 6mm

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

Sampled by: GB ~~D. Schmeltz~~ Galveston Bryce Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	18.0
2	~~GB~~
Total	18.0

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: [signature] Initials: — Review Date: 1-19-21

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106081
Project No: 6360401
Samplers: D. Schmeelk, R. Witter
Date: 10-15-2020
Crew Signature: [signature]

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 597.87 ft MRP
Top of Screen: 577.87 ft MRP
Bottom of Screen: 592.37 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 472.23 ft MRP
Depth to Water (DTW): 473.43 **ft MRP**

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 579.87 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW081-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW081-604
Sampling Medium: Water
COC#: COC081-204

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106081

Purge Information and Field Parameter Date: 10-15-2020

Purge Start Time: 1244 Purge Rate: 0.860 L/min X 0.265 = 0.2279 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 105.64 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	472.23	2.25	18.7	-------	4	326.4	7.87	143.7
1250	473.46	2.18	23.3	89.4	7.62	2.6	4.92	383.6
1255	473.46	1.29	22.5	73.7	6.40	374.5	7.73	419.6
1300	473.46	0.82	22.0	59.4	5.14	374.8	7.77	415.0
1305	473.46	0.65	22.0	53.6	4.69	375.3	7.79	411.2
1310	473.46	0.58	22.0	51.4	4.50	375.5	7.79	408.0
1315	~~43.4~~ 473.46	0.63	21.9	49.8	4.37	375.7	7.81	404.7
1320	473.46	0.71	21.8	49.3	4.32	375.8	7.80	402.6
SAMPLED								

Sample Time: 1326 Sample Date: 10-15-2020

Purge End Time: 1330 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schuelle Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17.5 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-06-2020

Well ID: KAFB-106082
Samplers: D.Schmeelk, R.Wittles
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)

Barricade/Notification: X

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 497.30 ft MRP
Top of Screen: 472.00 ft MRP
Bottom of Screen: 492.00 ft MRP
Reference Elevation Interval: 4857

IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged

Well Locked/Security Bolt Present: Yes No

Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 458.23 ft MRP

Depth to Water (DTW): 459.72 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 474.00 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW082-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW082-604
Sampling Medium: Water
COC#: COC-082-204

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106082

Purge Information and Field Parameter

Date: 10-6-2020

Purge Start Time: 1102 Purge Rate: 0.640 L/min X 0.265 = 0.1696 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 13.77 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	458.23	1.87	17.7	-------	0.45	495.3	7.57	122.2
1105	459.75	0.61	22.6	89.3	8.12	2.6	5.95	311.9
1110	459.75	0.41	22.1	95.7	8.36	366.4	6.97	334.9
1115	459.75	1.68	22.1	40.1	3.49	634	7.51	337.4
1120	459.75	1.26	22.1	15.5	1.43	637	7.54	331.7
1125	459.75	4.17	22.1	12.1	1.02	644	7.56	327.6
1130	459.75	1.87	22.2	10.3	0.90	643	7.55	325.9
1135	459.75	2.39	22.3	8.3	0.72	643	7.54	320.0
1140	459.75	4.19	22.4	7.3	0.63	638	7.55	317.2
1145	459.75	1.11	22.4	6.7	0.57	639	7.53	313.4
1150	459.75	0.95	22.4	6.3	0.54	641	7.53	311.0
1155	459.75	0.83	22.6	6.0	0.52	641	7.54	305.8
Sampled								
@								

Sample Time: 1206 Sample Date: 10-6-2020

Purge End Time: 1210

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size 6mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	19
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: 1 3/8" bolt stripped.

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-6-2020

Well ID: KAFB-106083
Samplers: D. Schmeeff, R. Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 515.70 ft MRP
Top of Screen: 495.50 ft MRP
Bottom of Screen: 510.50 ft MRP
Reference Elevation Interval: 4838

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 457.83 ft MRP
Depth to Water (DTW): 459.45 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 497.5 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW083-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW083-604
Sampling Medium: Water
COC#: COC-083-204

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106083

Purge Information and Field Parameter Date: 10-6-2020

Purge Start Time: 0843 Purge Rate: 0.720 L/min X 0.265 = 0.1908 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 37.67 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	457.83	1.22	17.9	-------	0.48	446.2	7.56	112.2
0850	459.43	0.43	16.0	92.8	9.18	2.6	4.50	416.6
0855	~~459.46~~ 459.43	1.38	16.4	60.7	5.90	404.0	7.36	431.9
0900	459.43	1.06	16.9	17.1	1.66	420.8	7.63	417.1
0905	459.43	1.03	17.2	~~17.2~~ 8.7	0.81	421.6	7.70	406.2
0910	459.43	0.87	17.4	6.1	0.58	421.7	7.74	396.8
0915	459.43	0.79	17.7	4.8	0.46	421.6	7.72	386.5
* 0920	459.43	0.83	17.8	4.1	0.38	421.6	7.74	376.5
0925	459.43	0.43	18.0	3.6	~~0.34~~ 0.33	421.1	7.78	364.5
0930	459.43	0.88	18.2	3.1	0.30	420.6	7.77	338.2
0935	459.43	0.54	18.3	2.9	0.28	420.8	7.78	322.3
0940	459.43	0.55	18.5	2.7	0.27	420.0	7.79	304.3
0945	459.43	0.64	18.7	2.7	0.24	419.1	7.79	283.5
0950	459.43	0.61	18.8	2.5	0.23	419.2	7.79	257.2

Sample Time: 0951 Sample Date: 10-6-2020

Purge End Time: 0956 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	21.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Did not stabilize DO - Sampled according to Work Plan

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-6-2020

Well ID: KAFB-106084
Samplers: D Schmeelk, R Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 589.42 ft MRP
Top of Screen: 569.62 ft MRP
Bottom of Screen: 584.62 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 460.75 ft MRP
Depth to Water (DTW): 462.18 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 571.62 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH000
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH000

Sample Information

Sample ID: GW084-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW084-604
Sampling Medium: Water
COC#: COC-084-204

Reviewed by: JM
Initials: —
Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106084

Purge Information and Field Parameter Date: 10-6-2020

Purge Start Time: 1320 Purge Rate: 0.720 L/min X 0.265 = 0.1908 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 108.87 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	460.75	0.34	15.6	-------	2.44	362.6	7.65	198.3
1325	462.19	0.32	25.7	86.8	7.21	2.6	5.44	292.6
1330	462.19	1.07	24.9	92.8	7.71	7.2	5.77	299.0
1335	462.19	0.94	23.9	41.2	3.49	363.1	7.77	342.9
1340	462.19	0.85	23.5	38.7	3.28	363.0	7.77	341.4
1345	462.19	1.22	23.3	37.0	3.15	363.8	7.77	336.9
~~1350~~								

Sampled

Sample Time: 1349 Sample Date: 10-6-2020

Purge End Time: 1353 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: JM Initials: — Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106085** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW085-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 439.97 (Gauged on 7/24/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -6.53

Well Depth: 481.50 ft MRP
Top of Screen: 446.50 ft MRP
Bottom of Screen: 476.50 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 0800

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	447.20
2	449.80
3	452.40
4	455.00
5	457.60
6	460.20
7	462.80
8	465.40
9	468.00
10	470.60

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW085-204

Well Location ID: KAFB-106085 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 0835 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: W/H0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW085-204
Duplicate ID: (if applicable) GW085-604
COC#: COC-085-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106086** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW086-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 440.37 (Gauged on 7/24/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -35.63

Well Depth: 496.00 ft MRP
Top of Screen: 476.00 ft MRP
Bottom of Screen: 491.00 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 823

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	476.70
2	479.30
3	481.90
4	484.50
5	487.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW086-204

Well Location ID: KAFB-106086 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 0930 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW086-204
Duplicate ID: (if applicable) GW086-604
COC#: COC-086-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106087** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW087-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 439.55 (Gauged on 7/23/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -106.45

Well Depth: 565.50 ft MRP
Top of Screen: 546.00 ft MRP
Bottom of Screen: 561.00 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 0839

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	546.70
2	549.30
3	551.90
4	554.50
5	557.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW087-204

Well Location ID: KAFB-106087 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 0950 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? DB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: ~~Pending Analysis Yard~~ AQ GWTS / Pending disposal Area

Sample ID: GW087-204
Duplicate ID: (if applicable) GW087-604
COC#: COC-087-204

Notes:

Reviewed by: [signature]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106088 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW088-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 447.39 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -12.61

Well Depth: 485.00 ft MRP
Top of Screen: 460.00 ft MRP
Bottom of Screen: 480.00 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 0955

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	460.70
2	463.30
3	465.90
4	468.50
5	471.10
6	473.70
7	476.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW088-204

Well Location ID: KAFB-106088 **Sampling**

Date Sampled: 10-15-2020 Time Sampled: 10-15-2020 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [initials] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **Pending Analysis Yard**

Notes:

Sample ID: GW088-204
Duplicate ID: (if applicable) GW088-604
COC#: COC-088-204

Reviewed by: [signature]

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106089 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW089-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 447.08 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -34.48

Well Depth: 501.56 ft MRP
Top of Screen: 481.56 ft MRP
Bottom of Screen: 496.56 ft MRP

Deployment Team: D. Schmeelk, J. Messenge

Date Deployed: 9-21-2020 Time Deployed: 1009

PID: MiniRAE 3000 Serial No: WHC004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	482.26
2	484.86
3	487.46
4	490.06
5	492.66

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW089-204

Well Location ID: KAFB-106089 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1235 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? DB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW089-204
Duplicate ID: (if applicable) GW089-604
COC#: COC-089-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106090** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW090-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 445.96 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -109.12

Well Depth: 575.08 ft MRP
Top of Screen: 555.08 ft MRP
Bottom of Screen: 570.08 ft MRP

Deployment Team: D. Schweelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 1023

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	555.78
2	558.38
3	560.98
4	563.58
5	566.18

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/6/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW090-204

Well Location ID: KAFB-106090 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1210 Sampling Team: G. Begaye, J. Stitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: GWTS / Pending Disposal Area ~~Pending Analysis Yard~~

Sample ID: GW090-204
Duplicate ID: (if applicable) GW090-604
COC#: COC-090-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106091** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW091-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): ~~467.56~~ 436.11 → from Q2 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 13.56 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 479.00 ft MRP
Top of Screen: 454.00 ft MRP
Bottom of Screen: 474.00 ft MRP

Deployment Team: D. Schmaelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1218

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 439.83

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	454.70
2	457.30
3	459.90
4	462.50
5	465.10
6	467.70
7	470.30

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: [signature] Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW091-204

Well Location ID: KAFB-106091 **Sampling**

Date Sampled: 10-09-2020 Time Sampled: 1045 Sampling Team: G. Begaye, S. Newman

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Choose only one

Sampler Number: (shallow to deep)	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: W/HOOOY

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW091-204
Duplicate ID: (if applicable) GW091-604
COC#: COC-091-204

Notes:

Reviewed by: [signature]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106092** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW092-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 437.57 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -36.43

Well Depth: 493.70 ft MRP
Top of Screen: 474.00 ft MRP
Bottom of Screen: 489.00 ft MRP

Deployment Team: D. Schweelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1153

PID: MiniRAE 3000 Serial No: W40004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	474.70
2	477.30
3	479.90
4	482.50
5	485.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: [signature] Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW092-204

Well Location ID: KAFB-106092 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: ~~1340~~ 1400 Sampling Team: G Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	EDB	VOCs (Choose only one)	BTEX (N) (Choose only one)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W/1004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW092-204
Duplicate ID: (if applicable) GW092-604
COC#: COC-092-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106093** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW093-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 437.49 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -106.51

Well Depth: 563.20 ft MRP
Top of Screen: 544.00 ft MRP
Bottom of Screen: 559.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1141

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	544.70
2	547.30
3	549.90
4	552.50
5	555.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW093-204

Well Location ID: KAFB-106093 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 1340 Sampling Team: G-Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	EDB	VOCs (Choose only one)	BTEX (N) (Choose only one)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW093-204
Duplicate ID: (if applicable) GW093-604
COC#: COC-093-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106094
Project No: 6360401
Samplers: J. Messenger D. Schmoelk
Date: 10-19-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 509.20 ft MRP
SCREEN SUBMERGED on 7/21/2020 (previous gauging date)
Top of Screen: 484.20 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 504.20 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4857
IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/21/2020

Previous Depth to water: 467.58 ft MRP
Depth to Water (DTW): 469.15 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: Not Applicable - Dedicated pump present

Non-Dedicated Pump Depth: NA ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	GT 0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID:	GW094-204	Sampling Method:	Low-flow
Duplicate ID: (if applicable)	GW094-604	Sampling Medium:	Water
COC#:	COC-094-204		

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106094

Purge Information and Field Parameter Date: 10-19-2020

Purge Start Time: 1131 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: Clear with slight VOC odor

Drawdown Limit: 16.62 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	467.58	4.4	19	-------	0.22	803	7.54	-110.2
1135	469.18	0.66	18.7	73.7	6.86	532.3	7.43	174.7
1140	469.17	0.50	18.4	~~73.7~~ 65.7	~~6~~ 6.16	535.4	7.25	185.1
1145	469.17	3.54	18.7	14.2	1.32	751	7.19	-14.7
1150	469.17	1.79	18.8	4.2	0.39	922	7.29	-83.2
1155	469.17	3.31	18.9	3.0	0.28	903	7.31	-100.0
1200	469.17	1.65	18.9	2.5	0.23	880	7.32	-108.9
1205	469.17	1.57	18.9	2.4	0.22	865	7.33	-115.1
1210	469.17	2.23	18.9	2.2	0.21	856	7.33	-118.6

Sample Time: 1211 Sample Date: 10-19-2020

Purge End Time: 1213. 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmalk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10 gal
2	—
Total	10 gallons

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 11/5/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10/7/2020

Well ID: KAFB-106095
Samplers: D. Schnuelle, R. Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/21/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 523.85 ft MRP
Top of Screen: 503.85 ft MRP
Bottom of Screen: 518.85 ft MRP
Reference Elevation Interval: 4838

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/21/2020

Previous Depth to water: 467.14 ft MRP
Depth to Water (DTW): 468.48 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 505.85 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW095-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW095-604
Sampling Medium: Water
COC#: COC-095-204

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106095

Purge Information and Field Parameter

Date: 10-7-2020

Purge Start Time: 1233 Purge Rate: 0.060 L/min X 0.265 = 0.1749 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 36.71 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	467.14	2.23	18.8	-------	7.59	989	7.51	90.2
1240	468.57	0.38	25.5	100.2	8.74	2.8	5.04	367.3
1245	468.57	0.58	25.1	48.0	3.34	*~~41~~ 614	7.27	412.2
1250	468.57	1.11	24.5	17.0	1.52	621	7.36	404.7
1255	468.57	0.96	24.0	8.1	0.68	610	7.37	397.7
* 1300	468.57	2.21	24.0	5.9	0.48	625	7.36	392.4
1305	468.57	1.03	23.8	4.7	0.40	601	7.39	385.6
1310	468.57	0.99	23.7	3.8	0.32	625	7.37	381.2
1315	468.57	2.11	23.7	3.6	0.30	626	7.37	376.5
1320	468.57	0.81	23.7	3.2	0.28	616	7.38	371.4
1325	468.57	*~~0~~ 1.40	23.7	3.0	0.26	~~610~~ 624	7.37	365.1
1330	468.57	1.06	23.8	2.8	0.25	619	7.36	363.2
1335	468.57	1.12	23.7	2.6	0.23	620	7.37	358.3
1340	468.57	2.27	23.7	2.7	0.22	624	7.37	356.4

Sample Time: 1341 Sample Date: 10-7-2020

Purge End Time: 1353

Bubbles in the vials?: ☑ Yes ☐ No Where? VOC & EDB Amount 5 4 VOC 1 EDB Size 6mm 1 mm

Sampled by: D. Schneelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	21.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Did not stabilize DO – Sampled according to Work Plan

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-7-2020

Well ID: KAFB-106096
Samplers: D. Schmeelk, R. Wittler
Crew Signature: [signature], [signature]

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/21/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 596.45 ft MRP
Top of Screen: 576.45 ft MRP
Bottom of Screen: 591.45 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/21/2020

Previous Depth to water: 467.79 ft MRP
Depth to Water (DTW): 469.18 **ft MRP**

Pump Information

~~Dedicated Pump~~ * Removed Q2 2020

Bennett Pump Serial No.: ~~Not Applicable - Dedicated pump present~~ * ~~578.45~~ 1807B-710

Non-Dedicated Pump Depth: ~~NA~~ * 578.45 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW096-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW096-604
Sampling Medium: Water
COC#: COC-096-204

Reviewed by: [signature] Initials: [signature] Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106096

Purge Information and Field Parameter Date: 10-7-2020

Purge Start Time: 1039 Purge Rate: 0.640 L/min X 0.265 = 0.1696 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 108.66 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	467.79	1.5	19.1	-------	3	460.9	7.89	53.6
1055	469.17	8.50	21.5	50.1	4.43	347.1	7.66	408.5
1100	469.17	7.45	21.6	32.6	2.85	351.0	7.67	404.6
1105	469.17	5.77	21.7	30.7	2.70	351.9	7.67	400.4
1110	469.17	5.23	21.7	30.1	2.63	352.4	7.67	397.2
Sampled								

Sample Time: 1111 Sample Date: 10-7-2020

Purge End Time: 1126 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	15.5
2	
Total	

IDW will be taken to: ~~Pending Analysis Yard~~ → GWTS/Pending Disposal Area

IDW Label: ~~White Pending Analysis~~ → Green Non-Hazardous

Comments: Verified changes with Amanda Smith.

Reviewed by: [signature] Initials: [signature] Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-13-2020

Well ID: KAFB-106097
Samplers: P. Schmeltz, R. Witter
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 526.04 ft MRP
Top of Screen: 506.04 ft MRP
Bottom of Screen: 521.04 ft MRP
Reference Elevation Interval: 4838

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 470.1 ft MRP
Depth to Water (DTW): 471.46 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 508.04 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW097-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW097-604
Sampling Medium: Water
COC#: COC-097-204

Reviewed by: Initials: Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106097

Purge Information and Field Parameter Date: 10-13-2020

Purge Start Time: 1329 Purge Rate: 0.700 L/min X 0.265 = 0.1855 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 35.94 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	470.1	0.83	22.5	-------	2.46	372	7.24	68.3
1335	471.50	3.42	20.5	124.3	11.31	427.0	8.02	445.8
1340	471.50	1.83	20.4	78.6	7.08	442.7	7.78	442.7
1345	471.50	0.34	20.1	62.1	5.54	442.5	7.78	439.2
1350	471.50	2.41	19.9	53.3	4.83	444.1	7.78	433.7
1355	471.50	1.44	19.9	44.2	4.00	444.1	7.77	430.3
1400	471.50	2.55	19.8	39.3	3.56	445.4	7.77	427.2
1405	471.50	1.69	19.7	32.2	2.94*	446.0	7.79	423.4
1410	471.50	0.37	19.6	30.6	2.80	444.4	7.78	421.8
1415	471.50	0.92	19.7	30.2	2.76	442.5	7.80	*419.0
Sampled								

Sample Time: 1421 Sample Date: 10-13-2020

Purge End Time: 1423 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17.5 gallons
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: [signature] Initials: [signature] Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-13-2020

Well ID: KAFB-106098
Samplers: D. Schmeelk, R. Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/22/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 551.12 ft MRP
Top of Screen: 531.02 ft MRP
Bottom of Screen: 546.02 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/22/2020

Previous Depth to water: 470.2 ft MRP
Depth to Water (DTW): 471.66 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 533.02 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW098-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW098-604
Sampling Medium: Water
COC#: COC-098-204

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106098

Purge Information and Field Parameter Date: 10-13-2020

Purge Start Time: 1141 Purge Rate: 0.920 L/min X 0.265 = 0.2438 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 60.82 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	470.2	0.52	22.1	-------	3.77	331	7.22	127.6
1145	471.66	2.17	19.0	130.4	11.61	485.4	7.76	471.7
1150	471.66	6.08	19.3	45.0	4.10	491.0	7.84	456.6
1155	471.66	0.93	19.3	36.0	3.30	490.7	7.84	451.2
1200	471.66	2.16	19.3	34.2	3.14	491.4	7.83	447.6
1205	471.66	3.00	19.3	32.1	2.95	494.0	7.82	445.2
1210	471.66	0.62	19.3	31.8	2.92	490.2	7.83	441.9
Sampled								

Sample Time: 1211 Sample Date: 10-13-2020

Purge End Time: 1217 6mm

Bubbles in the vials?: ☑ Yes ☐ No Where? All VOA's Amount 1 ea Size <1mm

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Purge water aerated w/microbubbles during sample collection.

Reviewed by: JM Initials: JM Review Date: 10/14/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-14-2020

Well ID: KAFB-106099
Samplers: D. Schmeelk, R. Witter
Crew Signature: [signature], [signature]

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 521.00 ft MRP
Top of Screen: 501.00 ft MRP
Bottom of Screen: 516.00 ft MRP
Reference Elevation Interval: 4838

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 465.05 ft MRP
Depth to Water (DTW): 466.06 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 503 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW099-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW099-604
Sampling Medium: Water
COC#: COC-099-204

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106099

Purge Information and Field Parameter

Date: 10-14-2020

Purge Start Time: 0810 Purge Rate: 0.780 L/min X 0.265 = 0.2067 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 35.95 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	465.05	0.8	20.9	-------	5.54	485.3	7.15	93.7
0815	466.05	2.67	17.6	99.5	9.63	398.8	7.74	435.2
0820	466.05	1.85	18.1	72.3	6.76	440.3	7.84	421.3
0825	466.05	0.60	18.3	61.3	5.70	441.1	7.86	414.4
0830	466.05	0.64	18.4	57.4	5.37	439.7	7.85	411.1
0835	466.05	1.26	18.4	51.4	~~5.0~~ 4.83	444.4	7.83	408.2
0835 40	466.05	0.53	18.4	49.7	4.65	442.6	7.84	406.0
0840 5	466.05	0.49	18.5	49.2	4.60	442.8	7.83	403.8
Sampled								

Sample Time: 0849 Sample Date: 10-14-2020

Purge End Time: 0854 6mm

Bubbles in the vials?: ☑ Yes ☐ No Where? 1 x VOC Amount 1 Size <1mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	13 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106100
Project No: 6360401
Samplers: D. Schmoelk, R. Witter
Date: 10-14-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

Well Depth: 546.00 ft MRP
Top of Screen: 526.00 ft MRP
Bottom of Screen: 541.00 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 465.07 ft MRP
Depth to Water (DTW): 466.02 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 528.00 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW100-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW100-604
Sampling Medium: Water
COC#: COC-100-204

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106100

Purge Information and Field Parameter

Date: 10-14-2020

Purge Start Time: 1153 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 60.93 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	465.07	3.52	16.7	-------	5.6	425.3	7.89	68.3
1155	466.03	4.71	21.6	117.4	10.46	368.3	8.02	346.1
1200	466.03	1.88	21.4	91.6	8.00	355.4	7.92	347.9
1205	466.03	1.39	21.2	50.1	4.46	~~368.9~~ ~~389.9~~	7.78	347.7
1210	466.03	1.58	21.0	43.2	3.84	371.7	7.77	346.8
1215	466.03	2.43	20.9	41.9	3.75	370.8	7.81	341.8
1220	466.03	6.26	20.7	41.1	3.69	369.6	7.81	310.1
Sampled								

Sample Time: 1223 Sample Date: 10-14-2020

Purge End Time: 1229

Bubbles in the vials?: ☑ Yes ☐ No Where? All VOA's Amount 1 each Size < 1mm (6mm)

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10.5 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Purge water aerated w/ microbubbles during sample collection.

Reviewed by: Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-14-2020

Well ID: KAFB-106101
Samplers: D. Schmeelk, R. Wittler
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 518.01 ft MRP
Top of Screen: 498.81 ft MRP
Bottom of Screen: 514.11 ft MRP
Reference Elevation Interval: 4838

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 462.35 ft MRP
Depth to Water (DTW): 463.09 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 500.81 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW101-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW101-604
Sampling Medium: Water
COC#: COC-101-204

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106101

Purge Information and Field Parameter Date: 10-14-2020

Purge Start Time: 1427 Purge Rate: 0.740 L/min X 0.265 = 0.1961 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 36.46 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	462.35	1.52	15.4	-------	6.85	534.9	7.85	132.2
1430	463.11	21.3	21.6	78.7	7.29	501.5	7.65	323.3
1435	463.11	8.52	21.2	88.2	7.77	792	7.65	339.0
1440	463.11	1.08	20.6	81.9	7.35	790	7.70	339.5
1445	463.11	1.29	20.4	80.9	7.28	794	7.69	340.6
Sampled								

Sample Time: 1449 Sample Date: 10-14-2020

Purge End Time: 1456 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10-15-2020

Well ID: KAFB-106102
Samplers: D. Schmeelk, R. Wittles
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/23/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 543.08 ft MRP
Top of Screen: 523.98 ft MRP
Bottom of Screen: 537.68 ft MRP
Reference Elevation Interval: 4814

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: Intact Damaged
Well Locked/Security Bolt Present: Yes No * lock sticks - Needs Replacement.
Well ID Marked: Yes No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/23/2020

Previous Depth to water: 462.48 ft MRP
Depth to Water (DTW): 463.34 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 525.98 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW102-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW102-604
Sampling Medium: Water
COC#: COC-102-204

Reviewed by: JM Initials: — Review Date: 10-21-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106102

Purge Information and Field Parameter Date: 10-15-2020

Purge Start Time: 0821 Purge Rate: 0.840 L/min X 0.265 = 0.2226 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 61.50 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	462.48	0.92	19.3	-------	4.51	355.3	7.88	142
0825	463.38	1.04	17.2	100.9	9.60	368.0	8.05	409.3
0830	463.38	1.31	17.7	78.0	7.35	332.1	7.99	399.8
0835	463.38	0.67	18.0	52.2	4.90	387.7	7.91	394.5
0840	463.38	0.86	18.2	45.3	4.25	388.3	7.91	391.3
0845	463.38	0.53	18.3	42.4	3.97	388.8	7.93	388.9
0850	463.38	0.66	18.3	41.3	3.89	389.0	7.92	387.5
Sampled								

Sample Time: 0859 Sample Date: 10-15-2020

Purge End Time: 0902 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	13.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: [signature] Initials: — Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106103** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW103-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 452.16 (Gauged on 7/23/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -32.90

Well Depth: 505.26 ft MRP
Top of Screen: 485.06 ft MRP
Bottom of Screen: 500.06 ft MRP

Deployment Team: D. Schmoelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 1116

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? D

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	485.76
2	488.36
3	490.96
4	493.56
5	496.16

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW103-204

Well Location ID: KAFB-106103 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1350 Sampling Team: G. Begaye, T. Stach

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: GWTS / Pending Disposal Area ~~Pending Analysis Yard~~

Sample ID: GW103-204
Duplicate ID: (if applicable) GW103-604
COC#: COC-103-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106104** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW104-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 451.64 (Gauged on 7/24/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -58.41

Well Depth: 530.05 ft MRP
Top of Screen: 510.05 ft MRP
Bottom of Screen: 525.05 ft MRP

Deployment Team: D. Schnell*, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 1104

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? D

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	510.75
2	513.35
3	515.95
4	518.55
5	521.15

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW104-204

Well Location ID: KAFB-106104 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1415 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W H0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW104-204
Duplicate ID: (if applicable) GW104-604
COC#: COC-104-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106105** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW105-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 444.62 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -39.38

Well Depth: 504.00 ft MRP
Top of Screen: 484.00 ft MRP
Bottom of Screen: 499.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 0936

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	484.70
2	487.30
3	489.90
4	492.50
5	495.10
6	497.70

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW105-204

Well Location ID: KAFB-106105 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 1230 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	EDB	VOCs (Choose only one)	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			6mm

Document in notes

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: ~~Pending Analysis Yard~~ JC GWTS/Pending Disposal Area

Sample ID: GW105-204
Duplicate ID: (if applicable) GW105-604
COC#: COC-105-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106106** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW106-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 444.50 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -9.10

Well Depth: 488.60 ft MRP
Top of Screen: 453.60 ft MRP
Bottom of Screen: 483.60 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 0955

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	454.30
2	456.90
3	459.50
4	462.10
5	464.70
6	467.30
7	469.90
8	472.50
9	475.10
10	477.70

Depths highlighted blue represent submerged samplers based on previous water level

Notes: Replaced damaged security bolt (½").

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW106-204

Well Location ID: KAFB-106106 **Sampling**

Date Sampled: 10-08-2020 Time Sampled: 1120 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: W11000 4

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW106-204
Duplicate ID: (if applicable) GW106-604
COC#: COC-106-204

Notes:

Reviewed by: [signature]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106107** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW107-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 444.73 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -65.47

Well Depth: 530.20 ft MRP
Top of Screen: 510.20 ft MRP
Bottom of Screen: 525.20 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 0920

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? D

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	510.90
2	513.50
3	516.10
4	518.70
5	521.30

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW107-204

Well Location ID: KAFB-106107 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 1250 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W14004

IDW will be taken to: ~~Pending Analysis Yard~~ GWTS / Pending Disposal Area

Sample ID: GW107-204
Duplicate ID: (if applicable) GW107-604
COC#: COC-107-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106149-484 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW149-484-204

Well Information

Screen Interval Length (ft): 130

Previous Depth to Water (MRP): 468.70 **(Gauged on 7/23/2020)** **LNAPL NOT detected during prior gauging**

Length of Screen not submerged (ft): 114.70 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 484.00 ft MRP
Top of Screen: 354.00 ft MRP
Bottom of Screen: 484.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9/30/2020 **Time Deployed:** 1412

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Solinst 500 ft **Serial No:** 253056

PID Reading: 0.0 **ppm**

Depth to Water: 469.59

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
10	453.80
11	456.40
12	459.00
13	461.60
14	464.20
15	466.80
16	469.40
17	472.00
18	474.60
19	477.20
20	479.80

Depths highlighted blue represent submerged samplers based on previous water level

Notes: Deploy DMS with black mesh, plus 1 extra without.

Surveyed by High Mesa January 2018

Reviewed by: JM

Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW149-484-204

Well Location ID: **KAFB-106149-484** ***Sampling***

Date Sampled: 10-21-2020 Time Sampled: 0800 Sampling Team: G Begaye, J-Livingston

PID Reading: 79.2 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Sample ID: GW149-484-204
Duplicate ID: (if applicable) GW149-484-604
COC#: COC-149-484-204

Notes:

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106151-484** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW151-484-204

Well Information

Screen Interval Length (ft): 129

Previous Depth to Water (MRP): 468.47 (Gauged on 7/23/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 113.28 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 484.19 ft MRP
Top of Screen: 355.19 ft MRP
Bottom of Screen: 484.19 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 1311

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 469.48

Measure Water Level

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Duplicate Sample required.

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
10	453.99
11	456.59
12	459.19
13	461.79
14	464.39
15	466.99
16	469.59
17	472.19
18	474.79
19	477.39
20	479.99

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Surveyed by High Mesa January 2018

Replaced stripped 3/8" security bolt and 2* carbon steel bolts w/ss bolts

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW151-484-204

Well Location ID: **KAFB-106151-484** ***Sampling***

Date Sampled: 10-21-2020 Time Sampled: 0900 Sampling Team: G. Begaye, J. Livingston

PID Reading: 81.6 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	Document in notes: MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GW151-484-204
Duplicate ID: (if applicable) GW151-484-604
COC#: COC-151-484-204

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106152-484** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW152-484-204

Well Information

Screen Interval Length (ft): 129

Previous Depth to Water (MRP): 470.32 (Gauged on 7/23/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 115.04 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 484.28 ft MRP
Top of Screen: 355.28 ft MRP
Bottom of Screen: 484.28 ft MRP

Deployment Team: D. Schweelk, A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 0908

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 471.40

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
10	454.08
11	456.68
12	459.28
13	461.88
14	464.48
15	467.08
16	469.68
17	472.28
18	474.88
19	477.48
20	480.08

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Surveyed by High Mesa January 2018

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW152-484-204

Well Location ID: KAFB-106152-484 **Sampling**

Date Sampled: 10-21-2020 Time Sampled: 1240 Sampling Team: G. Begaye, J. Livingston

PID Reading: 2.8 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WTO006

IDW will be taken to: **90-day Hazardous Waste Area**

Sample ID: GW152-484-204
Duplicate ID: (if applicable) GW152-484-604
COC#: COC-152-484-204

Notes:

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106153-484** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW153-484-204

Well Information

Screen Interval Length (ft): 129

Previous Depth to Water (MRP): 471.72 (Gauged on 7/23/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 116.43 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 484.29 ft MRP
Top of Screen: 355.29 ft MRP
Bottom of Screen: 484.29 ft MRP

Deployment Team: D. Schweelk, A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 1540

PID: MiniRAE 3000 Serial No: WH6006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 472.71

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
10	454.09
11	456.69
12	459.29
13	461.89
14	464.49
15	467.09
16	469.69
17	472.29
18	474.89
19	477.49
20	480.09

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Surveyed by High Mesa January 2018

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW153-484-204

Well Location ID: **KAFB-106153-484** ***Sampling***

Date Sampled: 10-21-2020 Time Sampled: 1035 Sampling Team: G. Begaye, J. Livingston

PID Reading: 30.1 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	Document in notes: MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GW153-484-204
Duplicate ID: (if applicable) GW153-484-604
COC#: COC-153-484-204

Reviewed by: [signature]

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106201 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW201-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 484.36 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -5.29

Well Depth: 524.65 ft MRP
Top of Screen: 489.65 ft MRP
Bottom of Screen: 519.65 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 1230

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JS

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	490.35
2	492.95
3	495.55
4	498.15
5	500.75
6	503.35
7	505.95
8	508.55
9	511.15
10	513.75

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW201-204

Well Location ID: KAFB-106201 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 0825 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW201-204
Duplicate ID: (if applicable) GW201-604
COC#: COC-201-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106202** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW202-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 485.27 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -34.62

Well Depth: 539.90 ft MRP
Top of Screen: 519.90 ft MRP
Bottom of Screen: 534.90 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 1243

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	520.60
2	523.20
3	525.80
4	528.40
5	531.00

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW202-204

Well Location ID: KAFB-106202 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 0850 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? JB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	EDB	VOCs (Choose only one)	BTEX (N) (Choose only one)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Document in notes: Dup?	Document in notes: MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW202-204
Duplicate ID: (if applicable) GW202-604
COC#: COC-202-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106203** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW203-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 485.61 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -137.47

Well Depth: 643.08 ft MRP
Top of Screen: 623.08 ft MRP
Bottom of Screen: 638.08 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 1300

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	623.78
2	626.38
3	628.98
4	631.58
5	634.18

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW203-204

Well Location ID: KAFB-106203 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 0915 Sampling Team: CaBegaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? CB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW203-204
Duplicate ID: (if applicable) GW203-604
COC#: COC-203-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106204 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW204-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 456.04 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -6.46

Well Depth: 497.50 ft MRP
Top of Screen: 462.50 ft MRP
Bottom of Screen: 492.50 ft MRP

Deployment Team: D. Schweelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1235

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	463.20
2	465.80
3	468.40
4	471.00
5	473.60
6	476.20
7	478.80
8	481.40
9	484.00
10	486.60

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW204-204

Well Location ID: KAFB-106204 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1445 Sampling Team: G. Begaye, J. Fotch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW204-204
Duplicate ID: (if applicable) GW204-604
COC#: COC-204-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106205** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW205-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 456.51 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -35.99

Well Depth: 512.50 ft MRP
Top of Screen: 492.50 ft MRP
Bottom of Screen: 507.50 ft MRP

Deployment Team: D. Schmaelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1219

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	493.20
2	495.80
3	498.40
4	501.00
5	503.60

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW205-204

Well Location ID: KAFB-106205 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1415 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW205-204
Duplicate ID: (if applicable) GW205-604
COC#: COC-205-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106206 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW206-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 456.73 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -136.77

Well Depth: 613.20 ft MRP
Top of Screen: 593.50 ft MRP
Bottom of Screen: 608.20 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1202

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	594.20
2	596.80
3	599.40
4	602.00
5	604.60

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: [signature] Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW206-204

Well Location ID: KAFB-106206 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 1335 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes: Alkalinity (150 ml), Total metals (190 ml)

Sample ID: GW206-204
Duplicate ID: (if applicable) GW206-604
COC#: COC-206-204

Reviewed by: [illegible]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106207** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW207-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 469.20 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -3.80 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 508.00 ft MRP
Top of Screen: 473.00 ft MRP
Bottom of Screen: 503.00 ft MRP

Deployment Team: D.Schmelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1058

PID: MiniRAE 3000 Serial No: W140004

Water Level Meter: Solinst 500 ft Serial No: ~~WHP~~ WH0012

PID Reading: 0.0 ppm

Depth to Water: 472.49

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

MS/MSD required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	473.70
2	476.30
3	478.90
4	481.50
5	484.10
6	486.70
7	489.30
8	491.90
9	494.50
10	497.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: [signature] Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW207-204

Well Location ID: KAFB-106207 **Sampling**

Date Sampled: 10-05-2020 Time Sampled: 1320 Sampling Team: G Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒

6mm

MS/MSD required.

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW207-204
Duplicate ID: (if applicable) GW207-604
COC#: COC-207-204

Reviewed by: [signature]

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106208** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW208-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 469.02 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -33.98

Well Depth: 523.00 ft MRP
Top of Screen: 503.00 ft MRP
Bottom of Screen: 518.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1112

PID: MiniRAE 3000 Serial No: W40004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? [initials]

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	503.70
2	506.30
3	508.90
4	511.50
5	514.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: [signature] Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW208-204

Well Location ID: KAFB-106208 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 0845 Sampling Team: G. Begaye J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	EDB	VOCs (Choose only one)	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			6mm

Document in notes

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW208-204
Duplicate ID: (if applicable) GW208-604
COC#: COC-208-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106209** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW209-204

Well Information

Screen Interval Length (ft): 14

Previous Depth to Water (MRP): 468.73 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -134.27

Well Depth: 622.00 ft MRP
Top of Screen: 603.00 ft MRP
Bottom of Screen: 617.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1126

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	603.70
2	606.30
3	608.90
4	611.50
5	614.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW209-204

Well Location ID: KAFB-106209 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 0930 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW209-204
Duplicate ID: (if applicable) GW209-604
COC#: COC-209-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106212 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW212-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 445.95 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -97.28

Well Depth: 563.43 ft MRP
Top of Screen: 543.23 ft MRP
Bottom of Screen: 558.23 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 1221

PID: MiniRAE 3000 Serial No: ~~0~~ X WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	543.93
2	546.53
3	549.13
4	551.73
5	554.33

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: ~~AR~~ AR

Review Date: ~~9/18/2020~~ 9-18-20 AR

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW212-204

Well Location ID: KAFB-106212 **Sampling**

Date Sampled: 10-09-2020 Time Sampled: 1300 Sampling Team: G. Begaye, S. Newman

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW212-204
Duplicate ID: (if applicable) GW212-604
COC#: COC-212-204

Notes:

Reviewed by: [signature]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106213** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW213-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 448.62 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 0.62 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 483.40 ft MRP
Top of Screen: 448.00 ft MRP
Bottom of Screen: 478.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 1059

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 450.83

Measure Water Level

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	448.70
2	451.30
3	453.90
4	456.50
5	459.10
6	461.70
7	464.30
8	466.90
9	469.50
10	472.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: AR JM AR

Review Date: ~~9/10/2020~~ 9-18-20 AR

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW213-204

Well Location ID: KAFB-106213 **Sampling**

Date Sampled: 10-14-2020 Time Sampled: 1330 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W10004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW213-204
Duplicate ID: (if applicable) GW213-604
COC#: COC-213-204

Reviewed by: JM

Review Date: 10/21/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106214** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW214-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 448.86 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -29.39

Well Depth: 498.15 ft MRP
Top of Screen: 478.25 ft MRP
Bottom of Screen: 492.75 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 1015

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	478.95
2	481.55
3	484.15
4	486.75
5	489.35

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: AR AR

Review Date: ~~9/18/2020~~ 9-18-20 AR

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW214-204

Well Location ID: KAFB-106214 **Sampling**

Date Sampled: 10-14-2020 Time Sampled: 1310 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [initials] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W H0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW214-204
Duplicate ID: (if applicable) GW214-604
COC#: COC-214-204

Reviewed by: [signature]

Review Date: 10/21/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106215** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW215-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 449.08 (Gauged on 7/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -97.92

Well Depth: 567.00 ft MRP
Top of Screen: 547.00 ft MRP
Bottom of Screen: 562.00 ft MRP

Deployment Team: D. Schneelk, A. Rosebrough

Date Deployed: 9-18-2020 Time Deployed: 1033

PID: MiniRAE 3000 Serial No: ~~[illegible]~~ WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	547.70
2	550.30
3	552.90
4	555.50
5	558.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: ~~AR~~ JM Review Date: ~~JM 9/18/2020~~ 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW215-204

Well Location ID: KAFB-106215 **Sampling**

Date Sampled: 10-14-2020 Time Sampled: 1245 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW215-204
Duplicate ID: (if applicable) GW215-604
COC#: COC-215-204

Reviewed by: [illegible]

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106216** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW216-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 457.20 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 1.70 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 490.50 ft MRP
Top of Screen: 455.50 ft MRP
Bottom of Screen: 485.50 ft MRP

Deployment Team: Dylan Schaneck, Amy Rosebrough

Date Deployed: 9/16/2020 Time Deployed:

PID: MiniRAE 3000 Serial No: WH0009

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 459.45

Measure Water Level

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

MS/MSD required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	456.20
2	458.80
3	461.40
4	464.00
5	466.60
6	469.20
7	471.80
8	474.40
9	477.00
10	479.60

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW216-204

Well Location ID: KAFB-106216 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1225 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [initials] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

MS/MSD required.

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW216-204
Duplicate ID: (if applicable) GW216-604
COC#: COC-216-204

Reviewed by: [signature]

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106217** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW217-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 457.12 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -27.88

Well Depth: 505.00 ft MRP
Top of Screen: 485.00 ft MRP
Bottom of Screen: 500.00 ft MRP

Deployment Team: Dylan Schmeelk, Amy Rosebrough

Date Deployed: 9/16/2020 Time Deployed: 1005

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: ~~W~~ AR

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	485.70
2	488.30
3	490.90
4	493.50
5	496.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW217-204

Well Location ID: KAFB-106217 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1155 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? DB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW217-204
Duplicate ID: (if applicable) GW217-604
COC#: COC-217-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106218** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW218-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 457.30 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -94.70

Well Depth: 572.45 ft MRP
Top of Screen: 552.00 ft MRP
Bottom of Screen: 567.00 ft MRP

Deployment Team: Dylan Schmeelk, Amy Roslbrough

Date Deployed: 9/16/2020 Time Deployed: 0946

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	552.70
2	555.30
3	557.90
4	560.50
5	563.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW218-204

Well Location ID: KAFB-106218 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1125 Sampling Team: G. Begaye, D. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW218-204
Duplicate ID: (if applicable) GW218-604
COC#: COC-218-204

Reviewed by: [illegible]

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106219** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW219-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 464.20 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 1.50 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 497.90 ft MRP
Top of Screen: 462.70 ft MRP
Bottom of Screen: 492.70 ft MRP

Deployment Team: Dylan Schmeck, Amy Rosebrough

Date Deployed: 9/16/2020 Time Deployed: 0922

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 466.75

Measure Water Level

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	463.40
2	466.00
3	468.60
4	471.20
5	473.80
6	476.40
7	479.00
8	481.60
9	484.20
10	486.80

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW219-204

Well Location ID: KAFB-106219 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1005 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW219-204
Duplicate ID: (if applicable) GW219-604
COC#: COC-219-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106220 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW220-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 464.12 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -28.88

Well Depth: 513.00 ft MRP
Top of Screen: 493.00 ft MRP
Bottom of Screen: 508.00 ft MRP

Deployment Team: Dylan Schmeelk, Amy Rosebrough

Date Deployed: 9/16/2020 Time Deployed: 0859

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP) ▽
1	493.70
2	496.30
3	498.90
4	501.50
5	504.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW220-204

Well Location ID: KAFB-106220 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1030 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W70004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW220-204
Duplicate ID: (if applicable) GW220-604
COC#: COC-220-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106221** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW221-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 463.88 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -97.12

Well Depth: 581.00 ft MRP
Top of Screen: 561.00 ft MRP
Bottom of Screen: 576.00 ft MRP

Deployment Team: Amy Rosebrough, Dylan Schmeelk

Date Deployed: 9/16/2020 Time Deployed: 0843

PID: WH0004 MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	561.70
2	564.30
3	566.90
4	569.50
5	572.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW221-204

Well Location ID: KAFB-106221 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1055 Sampling Team: G. Beyaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? JB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW221-204
Duplicate ID: (if applicable) GW221-604
COC#: COC-221-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106222** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW222-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 456.56 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -1.24 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 493.20 ft MRP
Top of Screen: 457.80 ft MRP
Bottom of Screen: 487.80 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1303

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 459.31

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	458.50
2	461.10
3	463.70
4	466.30
5	468.90
6	471.50
7	474.10
8	476.70
9	479.30
10	481.90

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW222-204

Well Location ID: **KAFB-106222** ***Sampling***

Date Sampled: 10-14-2020 Time Sampled: 1450 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [initials] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW222-204
Duplicate ID: (if applicable) GW222-604
COC#: COC-222-204

Reviewed by: [signature]

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106223** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW223-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 457.21 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -30.59

Well Depth: 508.00 ft MRP
Top of Screen: 487.80 ft MRP
Bottom of Screen: 502.80 ft MRP

Deployment Team: D.Schmeelk, A.Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1320

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	488.50
2	491.10
3	493.70
4	496.30
5	498.90

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: [signature] Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW223-204

Well Location ID: KAFB-106223 **Sampling**

Date Sampled: 10-14-2020 Time Sampled: 1430 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes: (1) VOC sample has bubbles less than 6mm

Sample ID: GW223-204
Duplicate ID: (if applicable) GW223-604
COC#: COC-223-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106224** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW224-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 458.34 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -96.66

Well Depth: 575.50 ft MRP
Top of Screen: 555.00 ft MRP
Bottom of Screen: 570.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 0835

PID: MiniRAE 3000 Serial No: W10004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	555.70
2	558.30
3	560.90
4	563.50
5	566.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW224-204

Well Location ID: KAFB-106224 **Sampling**

Date Sampled: 10-14-2020 Time Sampled: 1410 Sampling Team: G Beyaye, J Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW224-204
Duplicate ID: (if applicable) GW224-604
COC#: COC-224-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106225** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW225-204

Well Information

Screen Interval Length (ft): 30

Previous Depth to Water (MRP): 449.63 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -0.37 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 485.20 ft MRP
Top of Screen: 450.00 ft MRP
Bottom of Screen: 480.00 ft MRP

Deployment Team: Dylan Schmeelk, Amy Rosebrough

Date Deployed: 9/16/2020 Time Deployed: 1144

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 452.07

Measure Water Level

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	450.70
2	453.30
3	455.90
4	458.50
5	461.10
6	463.70
7	466.30
8	468.90
9	471.50
10	474.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW225-204

Well Location ID: KAFB-106225 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1400 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW225-204
Duplicate ID: (if applicable) GW225-604
COC#: COC-225-204

Reviewed by: [signature]

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106226 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW226-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 450.27 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -29.73

Well Depth: 500.00 ft MRP
Top of Screen: 480.00 ft MRP
Bottom of Screen: 495.00 ft MRP

Deployment Team: Dylan Schmeelk, Amy Roseborough

Date Deployed: 9/16/2020 Time Deployed: 1116

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	480.70
2	483.30
3	485.90
4	488.50
5	491.10
6	493.70

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW226-204

Well Location ID: KAFB-106226 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1435 Sampling Team: G. Beyaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W/70004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW226-204
Duplicate ID: (if applicable) GW226-604
COC#: COC-226-204

Notes:

Reviewed by: DM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106227 *Deployment*

Year: 2020
Quarter: 4
Sample ID: GW227-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 451.04 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -96.96

Well Depth: 568.50 ft MRP
Top of Screen: 548.00 ft MRP
Bottom of Screen: 563.00 ft MRP

Deployment Team: Dylan Schmeelk A.Rosebrough

Date Deployed: 9/16/2020 Time Deployed: 1057

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	~~548.70~~
2	551.30
3	553.90
4	556.50
5	559.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW227-204

Well Location ID: KAFB-106227 **Sampling**

Date Sampled: 10-07-2020 Time Sampled: 1500 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: W/H000 4

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW227-204
Duplicate ID: (if applicable) GW227-604
COC#: COC-227-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106229** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW229-204

Well Information

Screen Interval Length (ft): 100

Previous Depth to Water (MRP): 437.99 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 6.99 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 536.00 ft MRP
Top of Screen: 431.00 ft MRP
Bottom of Screen: 531.00 ft MRP

Deployment Team: D. Schmeelk, K. Rosebrough

Date Deployed: 9-17-2020 Time Deployed: 1240

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 440.00

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- EDB

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	431.70
2	434.30
3	436.90
4	439.50
5	442.10
6	444.70
7	447.30
8	449.90
9	452.50
10	455.10
11	457.70
12	460.30
13	462.90
14	465.50

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-18-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW229-204

Well Location ID: KAFB-106229 **Sampling**

Date Sampled: 10-09-2020 Time Sampled: 1140 Sampling Team: G. Begunje, S. Newman

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **Pending Analysis Yard**

Sample ID: GW229-204
Duplicate ID: (if applicable) GW229-604
COC#: COC-229-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106230 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW230-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 447.54 (Gauged on 7/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -53.46

Well Depth: 521.00 ft MRP
Top of Screen: 501.00 ft MRP
Bottom of Screen: 516.00 ft MRP

Deployment Team: D. Schmelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 0817

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	501.70
2	504.30
3	506.90
4	509.50
5	512.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW230-204

Well Location ID: KAFB-106230 **Sampling**

Date Sampled: 10-12-2020 Time Sampled: 0900 Sampling Team: G Begnye, J. Stich

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	EDB	VOCs (Choose only one)	BTEX (N) (Choose only one)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Document in notes: Dup?	Document in notes: MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW230-204
Duplicate ID: (if applicable) GW230-604
COC#: COC-230-204

Reviewed by: [illegible]

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106231** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW231-204

Well Information

Screen Interval Length (ft): 35

Previous Depth to Water (MRP): 450.38 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 10.38 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 480.00 ft MRP
Top of Screen: 440.00 ft MRP
Bottom of Screen: 475.00 ft MRP

Deployment Team: D. Schuelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 0919

PID: MiniRAE 3000 Serial No: W140004

Water Level Meter: Solinst 500 ft Serial No: W140012

PID Reading: 0.0 ppm

Depth to Water: ~~435.17~~ 453.17

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	440.70
2	443.30
3	445.90
4	448.50
5 ▽	451.10
6	453.70
7	456.30
8	458.90
9	461.50
10	464.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW231-204

Well Location ID: KAFB-106231 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1005 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number	EDB	VOCs (Choose only one)	BTEX (N) (Choose only one)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Document in notes: Dup?	Document in notes: MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW231-204
Duplicate ID: (if applicable) GW231-604
COC#: COC-231-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106232** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW232-204

Well Information

Screen Interval Length (ft): 15

Previous Depth to Water (MRP): 450.00 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -53.00

Well Depth: 523.00 ft MRP
Top of Screen: 503.00 ft MRP
Bottom of Screen: 518.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 0930

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	503.70
2	506.30
3	508.90
4	511.50
5	514.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: [signature] Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW232-204

Well Location ID: KAFB-106232 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1035 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

PID: MiniRAE 3000 Serial No: WHD004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW232-204
Duplicate ID: (if applicable) GW232-604
COC#: COC-232-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106235-438** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW235-438-204

Well Information

Screen Interval Length (ft): 25

Previous Depth to Water (MRP): 438.19 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 0.19 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 465.00 ft MRP
Top of Screen: 438.00 ft MRP
Bottom of Screen: 463.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 0955

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 440.65

Measure Water Level

DMS Tether and Reel ID match Well ID? [initials]

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	438.70
2	441.30
3	443.90
4	446.50
5	449.10
6	451.70
7	454.30

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: [signature] Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW235-438-204

Well Location ID: KAFB-106235-438 **Sampling**

Date Sampled: 10-05-2020 Time Sampled: 1015 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? DB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: 592-915579

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW235-438-204
Duplicate ID: (if applicable) GW235-438-604
COC#: COC-235-438-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106235-472** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW235-472-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 438.20 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -33.80

Well Depth: 494.00 ft MRP
Top of Screen: 472.00 ft MRP
Bottom of Screen: 492.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1005

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

MS/MSD required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	472.70
2	475.30
3	477.90
4	480.50
5	483.10
6	485.70
7	488.30

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW235-472-204

Well Location ID: KAFB-106235-472 **Sampling**

Date Sampled: 10-05-2020 Time Sampled: 0900 Sampling Team: G. Begaye, J. Fitch

PID Reading: 6.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☒
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	~~Alkalinity~~ okay GB	Anions	Nitrate / Nitrite	☐	☒
6 okay GB	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	~~Alkalinity~~ GB	Anions	Nitrate / Nitrite	☐	☒ 6mm

MS/MSD required.

PID: MiniRAE 3000 Serial No: 592-915579

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW235-472-204
Duplicate ID: (if applicable) GW235-472-604
COC#: COC-235-472-204

Notes: Alkalinity sampled on DMS #5 w/ total (metals) and metals (total) on DMS #6 only

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106235-501** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW235-501-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 438.28 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -62.72

Well Depth: 523.00 ft MRP
Top of Screen: 501.00 ft MRP
Bottom of Screen: 521.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 1018

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	501.70
2	504.30
3	506.90
4	509.50
5	512.10
6	514.70
7	517.30

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW235-501-204

Well Location ID: KAFB-106235-501 **Sampling**

Date Sampled: 10-05-2020 Time Sampled: 1045 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW235-501-204
Duplicate ID: (if applicable) GW235-501-604
COC#: COC-235-501-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-436 ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW236-436-204

Well Information

Screen Interval Length (ft): 25

Previous Depth to Water (MRP): 438.24 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 2.24 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 463.00 ft MRP
Top of Screen: 436.00 ft MRP
Bottom of Screen: 461.00 ft MRP

Deployment Team: D. Schueelk, Amy Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 0903

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: ~~WH000~~ WH0012

PID Reading: 0.0 ppm

Depth to Water: 440.81

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	436.70
2	439.30
3	441.90
4	444.50
5	447.10
6	449.70
7	452.30

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW236-436-204

Well Location ID: **KAFB-106236-436** ***Sampling***

Date Sampled: 10-05-2020 Time Sampled: 1130 Sampling Team: G Begye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		*Choose only one*							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: W40006

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW236-436-204
Duplicate ID: (if applicable) GW236-436-604
COC#: COC-236-436-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-470 **Deployment**

Year: 2020
Quarter: 4
Sample ID: GW236-470-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 438.27 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -31.73

Well Depth: 492.00 ft MRP
Top of Screen: 470.00 ft MRP
Bottom of Screen: 490.00 ft MRP

Deployment Team: D. Schueelk, Amy Rosebrough

Date Deployed: 9-14-2020 Time Deployed: 0917

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	470.70
2	473.30
3	475.90
4	478.50
5	481.10
6	483.70
7	486.30

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW236-470-204

Well Location ID: KAFB-106236-470 **Sampling**

Date Sampled: 10-05-2020 Time Sampled: 1200 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

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PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW236-470-204
Duplicate ID: (if applicable) GW236-470-604
COC#: COC-236-470-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106236-499** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW236-499-204

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 438.30 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -60.70

Well Depth: 521.00 ft MRP
Top of Screen: 499.00 ft MRP
Bottom of Screen: 519.00 ft MRP

Deployment Team: Amy Roseburough, D. Schmeelk

Date Deployed: 9-14-2020 Time Deployed: 0927

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
-
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	499.70
2	502.30
3	504.90
4	507.50
5	510.10
6	512.70
7	515.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-15-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW236-499-204

Well Location ID: KAFB-106236-499 **Sampling**

Date Sampled: 10/05/2020 Time Sampled: 1225 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

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PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW236-499-204
Duplicate ID: (if applicable) GW236-499-604
COC#: COC-236-499-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106240-449** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW240-449-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 470.09 (Gauged on 7/22/2020) ~~LNAPL~~ NOT dm present during prior gauging

Length of Screen not submerged (ft): 21.05 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 491.04 ft MRP
Top of Screen: 449.04 ft MRP
Bottom of Screen: 489.04 ft MRP

Deployment Team: D. Schweelk, J. Messenger

Date Deployed: 9-22-2020 Time Deployed: 1223

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 471.13

Measure Water Level

DMS Tether and Reel ID match Well ID? Y

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	449.74
2	452.34
3	454.94
4	457.54
5	460.14
6	462.74
7	465.34
8	467.94
9	470.54
10	473.14
11	475.74
12	478.34
13	480.94
14	483.54

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW240-449-204

Well Location ID: KAFB-106240-449 **Sampling**

Date Sampled: 10-15-2020 Time Sampled: 0845 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? DB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

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PID: MiniRAE 3000 Serial No: W10004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW240-449-204
Duplicate ID: (if applicable) GW240-449-604
COC#: COC-240-449-204

Notes:

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW241-428-204

Well Location ID: KAFB-106241-428 *Sampling*

Date Sampled: 10-12-2020 Time Sampled: 1430 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW241-428-204
Duplicate ID: (if applicable) GW241-428-604
COC#: COC-241-428-204

Notes:

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106241-428** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW241-428-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 447.51 (Gauged on 7/21/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 19.41 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 470.10 ft MRP
Top of Screen: 428.10 ft MRP
Bottom of Screen: 468.10 ft MRP

Deployment Team: Dylan Schmeelk, Amy Roselbrugh

Date Deployed: 9/16/2020 Time Deployed: 1236

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 449.61

Measure Water Level

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	428.80
2	431.40
3	434.00
4	436.60
5	439.20
6	441.80
7	444.40
8	447.00
9	449.60
10	452.20
11	454.80
12	457.40
13	460.00
14	462.60

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-17-20

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106242-418** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW242-418-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 438.64 (Gauged on 7/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 20.50 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 460.14 ft MRP
Top of Screen: 418.14 ft MRP
Bottom of Screen: 458.14 ft MRP

Deployment Team: D. Schweelk, A. Rosebrough

Date Deployed: 9-15-2020 Time Deployed: 1133

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 440.18

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	418.84
2	421.44
3	424.04
4	426.64
5	429.24
6	431.84
7	434.44
8	437.04
9	439.64
10	442.24
11	444.84
12	447.44
13	450.04
14	452.64

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 9-16-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW242-418-204

Well Location ID: KAFB-106242-418 **Sampling**

Date Sampled: 10-06-2020 Time Sampled: 1115 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

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PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW242-418-204
Duplicate ID: (if applicable) GW242-418-604
COC#: COC-242-418-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106243-425** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW243-425-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 443.61 (Gauged on 7/22/2020) LNAPL present during prior gauging NOT AS

Length of Screen not submerged (ft): 18.57 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 467.54 ft MRP
Top of Screen: 425.04 ft MRP
Bottom of Screen: 465.04 ft MRP

Deployment Team: D. Schweelk, J. Messenger

Date Deployed: 9-21-2020 Time Deployed: 1041

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 445.27

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	425.74
2	428.34
3	430.94
4	433.54
5	436.14
6	438.74
7	441.34
8	443.94
9	446.54
10	449.14
11	451.74
12	454.34
13	456.94
14	459.54

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW243-425-204

Well Location ID: KAFB-106243-425 **Sampling**

Date Sampled: 10-13-2020 Time Sampled: 1140 Sampling Team: G. Begunje, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

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PID: MiniRAE 3000 Serial No: WH2004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW243-425-204
Duplicate ID: (if applicable) GW243-425-604
COC#: COC-243-425-204

Reviewed by: JM

Review Date: 10/14/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106244-445** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW244-445-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 465.85 (Gauged on 7/23/2020) LNAPL NOT present during prior gauging

Length of Screen not submerged (ft): 20.76 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 487.09 ft MRP
Top of Screen: 445.09 ft MRP
Bottom of Screen: 485.09 ft MRP

Deployment Team: D. Schmelk, J. Messenger

Date Deployed: 9-22-2020 Time Deployed: 1200

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 466.61

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	445.79
2	448.39
3	450.99
4	453.59
5	456.19
6	458.79
7	461.39
8	463.99
9	466.59
10	469.19
11	471.79
12	474.39
13	476.99
14	479.59

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW244-445-204

Well Location ID: KAFB-106244-445 **Sampling**

Date Sampled: 10-14-2020 Time Sampled: 0825 Sampling Team: G. Bergye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

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PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW244-445-204
Duplicate ID: (if applicable) GW244-445-604
COC#: COC-244-445-204

Reviewed by: JM

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106245-460** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW245-460-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 483.90 (Gauged on 7/23/2020) LNAPL NOT present during prior gauging

Length of Screen not submerged (ft): 20.23 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 505.67 ft MRP
Top of Screen: 463.67 ft MRP
Bottom of Screen: 503.67 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 9-22-2020 Time Deployed: 1120

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 485.11

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	464.37
2	466.97
3	469.57
4	472.17
5	474.77
6	477.37
7	479.97
8	482.57
9	485.17
10	487.77
11	490.37
12	492.97
13	495.57
14	498.17

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/5/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW245-460-204

Well Location ID: KAFB-106245-460 **Sampling**

Date Sampled: 10-14-2020 Time Sampled: 1100 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? [illegible] *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

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PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **GWTS/Pending Disposal Area**

Notes:

Sample ID: GW245-460-204
Duplicate ID: (if applicable) GW245-460-604
COC#: COC-245-460-204

Reviewed by: [illegible]

Review Date: 10-21-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106247-450** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GW247-450-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 474.37 (Gauged on 7/24/2020) LNAPL NOT pm present during prior gauging

Length of Screen not submerged (ft): 21.05 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 495.64 ft MRP
Top of Screen: 453.32 ft MRP
Bottom of Screen: 493.32 ft MRP

Deployment Team: Dylan Schweelk, Joshua

Date Deployed: 9-22-2020 Time Deployed: 0835

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 475.18

Measure Water Level

DMS Tether and Reel ID match Well ID? X

Initial to confirm that ID check was completed

Notes:

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	454.02
2	456.62
3	459.22
4	461.82
5	464.42
6	467.02
7	469.62
8	472.22
9	474.82
10	477.42
11	480.02
12	482.62
13	485.22
14	487.82

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 11/15/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GW247-450-204

Well Location ID: KAFB-106247-450 **Sampling**

Date Sampled: 10-14-2020 Time Sampled: 1130 Sampling Team: G. Begaye, J. Fitch

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? OB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Sampler Number		Choose only one							Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: W+0004

IDW will be taken to: **GWTS/Pending Disposal Area**

Sample ID: GW247-450-204
Duplicate ID: (if applicable) GW247-450-604
COC#: COC-247-450-204

Notes:

Reviewed by: JM

Review Date: 10/21/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S1-447** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GWS1-447-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 467.76 (Gauged on 7/23/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 20.76 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 489.99 ft MRP
Top of Screen: 447.00 ft MRP
Bottom of Screen: 487.00 ft MRP

Deployment Team: D. Schweelk, A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 1441

PID: MiniRAE 3000 Serial No: W40006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 468.63

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	447.70
2	450.30
3	452.90
4	455.50
5	458.10
6	460.70
7	463.30
8	465.90
9	468.50
10	471.10
11	473.70
12	476.30
13	478.90
14	481.50

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: [signature] Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GWS1-447-204

Well Location ID: **KAFB-106S1-447** ***Sampling***

Date Sampled: 10-21-2020 Time Sampled: 0950 Sampling Team: G. Begaye, J. Livingston

PID Reading: 68.4 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS1-447-204
Duplicate ID: (if applicable) GWS1-447-604
COC#: COC-S1-447-204

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S2-451** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GWS2-451-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 474.96 (Gauged on 7/23/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 20.73 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 496.90 ft MRP
Top of Screen: 454.23 ft MRP
Bottom of Screen: 494.23 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 1242

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 476.07

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	454.93
2	457.53
3	460.13
4	462.73
5	465.33
6	467.93
7	470.53
8	473.13
9	475.73
10	478.33
11	480.93
12	483.53
13	486.13
14	488.73

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GWS2-451-204

Well Location ID: KAFB-106S2-451 **Sampling**

Date Sampled: 10-22-2020 Time Sampled: 0920 Sampling Team: G. Begaye, J. Livingston

PID Reading: 1.3 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Sample ID: GWS2-451-204
Duplicate ID: (if applicable) GWS2-451-604
COC#: COC-S2-451-204

Notes:

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S3-449** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GWS3-449-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 474.00 (Gauged on 7/23/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 21.82 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 494.42 ft MRP
Top of Screen: 452.18 ft MRP
Bottom of Screen: 492.18 ft MRP

Deployment Team: D. Schmeelk / A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 1208

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 475.25

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	452.88
2	455.48
3	458.08
4	460.68
5	463.28
6	465.88
7	468.48
8	471.08
9	473.68
10	476.28
11	478.88
12	481.48
13	484.08
14	486.68

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GWS3-449-204

Well Location ID: KAFB-106S3-449 **Sampling**

Date Sampled: 10-22-2020 Time Sampled: 0845 Sampling Team: G. Begaye, J. Livingston

PID Reading: 0.8 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)

Choose only one

Sampler Number	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Sample ID: GWS3-449-204
Duplicate ID: (if applicable) GWS3-449-604
COC#: COC-S3-449-204

Notes:

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S4-446** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GWS4-446-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 469.09 (Gauged on 7/23/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 19.86 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 491.73 ft MRP
Top of Screen: 449.23 ft MRP
Bottom of Screen: 489.23 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 0943

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: WH0012

PID Reading: 0.0 ppm

Depth to Water: 470.23

Measure Water Level

DMS Tether and Reel ID match Well ID? AR

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	449.93
2	452.53
3	455.13
4	457.73
5	460.33
6	462.93
7	465.53
8	468.13
9	470.73
10	473.33
11	475.93
12	478.53
13	481.13
14	483.73

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S4-446** ***Sampling***

Year: 2020
Quarter: 4
Sample ID: GWS4-446-204

Date Sampled: 10-22-2020 Time Sampled: 0820 Sampling Team: G. Begaye, J. Livingston

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

Sampler Number									Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

Document in notes

6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: ~~Pending Analysis Yard~~ JL GWTS/Pending Disposal Area

Sample ID: GWS4-446-204
Duplicate ID: (if applicable) GWS4-446-604
COC#: COC-S4-446-204

Notes:

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S5-446** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GWS5-446-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 466.13 (Gauged on 7/23/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 20.05 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 488.32 ft MRP
Top of Screen: 446.08 ft MRP
Bottom of Screen: 486.08 ft MRP

Deployment Team: Dylan Schmeelk, A. Roseborough

Date Deployed: 9/30/2020 Time Deployed: 1121

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 467.49

Measure Water Level

DMS Tether and Reel ID match Well ID? [initials]

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Duplicate sample required. Please deploy extra DMS as needed

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	446.78
2	449.38
3	451.98
4	454.58
5	457.18
6	459.78
7	462.38
8	464.98
9	467.58
10	470.18
11	472.78
12	475.38
13	477.98
14	480.58

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: [initials] Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GWS5-446-204

Well Location ID: KAFB-106S5-446 **Sampling**

Date Sampled: 10-22-2020 Time Sampled: 1115 Sampling Team: G. Begaye, J. Livingston

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☑	☐	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☑	☐	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☑	☐	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☑	☐	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☑	☐	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐	6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Sample ID: GWS5-446-204
Duplicate ID: (if applicable) GWS5-446-604
COC#: COC-S5-446-204

Notes:

Review Date: 10-26-2020

Reviewed by: JM

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S7-451** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GWS7-451-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 471.60 (Gauged on 7/23/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 20.60 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 492.60 ft MRP
Top of Screen: 451.00 ft MRP
Bottom of Screen: 491.00 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 1050

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 472.82

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

Notes: Deploy DMS with black mesh, plus 1 extra without

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	451.70
2	454.30
3	456.90
4	459.50
5	462.10
6	464.70
7	467.30
8	469.90
9	472.50
10	475.10
11	477.70
12	480.30
13	482.90
14	485.50

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GWS7-451-204

Well Location ID: KAFB-106S7-451 **Sampling**

Date Sampled: 10-22-2020 Time Sampled: 1030 Sampling Team: G. Begaye, J. Livingston

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite			6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS7-451-204
Duplicate ID: (if applicable) GWS7-451-604
COC#: COC-S7-451-204

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S8-451** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GWS8-451-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 474.08 (Gauged on 7/23/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 19.86 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 491.97 ft MRP
Top of Screen: 454.22 ft MRP
Bottom of Screen: 494.22 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-20-2020 Time Deployed: 1515

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 475.01

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

MS/MSD required

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	454.92
2	457.52
3	460.12
4	462.72
5	465.32
6	467.92
7	470.52
8	473.12
9	475.72
10	478.32
11	480.92
12	483.52
13	486.12
14	488.72

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GWS8-451-204

Well Location ID: KAFB-106S8-451 *Sampling*

Date Sampled: 10-21-2020 Time Sampled: 1120 Sampling Team: G. Begaye, J. Livingston

PID Reading: 2.2 DMS Tether and Reel ID match Well ID? AB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)	EDB	VOCs (Choose only one)	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	Document in notes: Dup?	MS/MSD?	
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		✓	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		✓	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		✓	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		✓	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		✓	
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		✓	6mm

PID: MiniRAE 3000 Serial No: WH0006

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS8-451-204
Duplicate ID: (if applicable) GWS8-451-604
COC#: COC-S8-451-204

Reviewed by: JM

Review Date: 10-26-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S9-447** ***Deployment***

Year: 2020
Quarter: 4
Sample ID: GWS9-447-204

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 468.68 (Gauged on 7/23/2020) LNAPL present during prior gauging

Length of Screen not submerged (ft): 21.56 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 489.49 ft MRP
Top of Screen: 447.12 ft MRP
Bottom of Screen: 487.12 ft MRP

Deployment Team: D. Schmeelk, A. Rosebrough

Date Deployed: 9-30-2020 Time Deployed: 1345

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 469.68

Measure Water Level

DMS Tether and Reel ID match Well ID? ✓

Initial to confirm that ID check was completed

QC sample notes.
(If blank, no QC samples required):

Analyte(s):
- Alkalinity
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals
- VOCs

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	447.82
2	450.42
3	453.02
4	455.62
5	458.22
6	460.82
7	463.42
8	466.02
9	468.62
10	471.22
11	473.82
12	476.42
13	479.02
14	481.62

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: JM Review Date: 10-5-20

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 4
Sample ID: GWS9-447-204

Well Location ID: **KAFB-106S9-447** ***Sampling***

Date Sampled: 10-21-2020 Time Sampled: 1420 Sampling Team: G. Begaye, J. Livingston

PID Reading: 0.0 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	☐	☐

6mm

PID: MiniRAE 3000 Serial No: W/A3006

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS9-447-204
Duplicate ID: (if applicable) GWS9-447-604
COC#: COC-S9-447-204

Reviewed by: JM

Review Date: 10-26-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 62599DM01
Date: 10-2-2020

Well ID: KAFB-3411
Samplers: D. Schmerlk, G. Begaye
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 7/24/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

Well Depth: 506.06 ft MRP
Top of Screen: 480.06 ft MRP
Bottom of Screen: 505.06 ft MRP
Reference Elevation Interval: 4857

IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 7/24/2020

Previous Depth to water: 465.92 ft MRP
Depth to Water (DTW): 466.76 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-710

Non-Dedicated Pump Depth: 482.06 ft MRP

* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	20H104723
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	WH0017
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW3411-204
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW3411-604
Sampling Medium: Water
COC#: COC-3411-204

Reviewed by: JM Initials: Review Date: 10-5-20

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-3411

Purge Information and Field Parameter Date: 10-02-2020

Purge Start Time: 1258 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: clear + odorless

Drawdown Limit: 14.14 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	465.92	0.26	19.2	-------	2.25	501.8	7.81	145.8
1305	466.78	0.58	25.8	80.0	6.52	2.3	5.57	191.9
1310	466.79	2.35	25.2	39.7	3.27	355.1	7.61	177.0
1315	466.79	1.71	24.4	27.6	2.31	367.2	7.65	174.6
1320	466.79	2.06	24.2	24.5	2.05	368.5	7.67	172.7
1325	466.79	2.27	24.1	22.6	1.90	367.2	7.70	169.9
1330	466.79	1.50	24.0	21.3	1.79	366.6	7.70	167.2
1335	466.78	1.28	23.9	20.6	1.74	364.4	7.71	165.2
Sampled								

Sample Time: 1344 Sample Date: 10-2-2020

Purge End Time: 1346 6mm

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	9.5
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: JM Initials: Review Date: 10-5-20

Table E-3-1
Water Quality Field Measurements for the Current and Previous Three Quarters

Well Location ID	Sample Quarter	Sample Date	Temperature (°C)	pH (S.U.)	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
KAFB-106001	Q4 2020	10/30/2020	19.8	7.60	322.2	1.94	205.6	4.78
KAFB-106002	Q4 2020	10/20/2020	18.6	7.46	431.7	6.72	339.4	0.27
	Q2 2020	4/17/2020	18.5	7.51	410.6	6.31	303.1	0.31
KAFB-106003	Q4 2020	10/13/2020	17.9	7.80	983	8.52	412.0	1.49
	Q3 2020	7/15/2020	20.4	7.79	602	6.64	329.9	2.31
	Q2 2020	4/30/2020	21.3	7.77	514.8	5.49	181.6	1.51
	Q1 2020	1/17/2020	16.7	7.95	632	6.03	400.4	0.18
KAFB-106004	Q4 2020	10/14/2020	19.7	7.73	484.1	5.83	332.1	0.59
	Q3 2020	7/16/2020	22.0	7.59	481.1	6.48	352.6	0.60
	Q2 2020	5/5/2020	20.9	7.65	393.2	7.45	166.3	0.39
	Q1 2020	1/16/2020	13.4	7.93	428.4	7.17	403.8	2.42
KAFB-106005	Q4 2020	10/23/2020	20.1	7.37	1,172	0.11	-324.8	9.16
	Q3 2020	7/13/2020	22.4	7.38	1,179	0.21	-289.1	13.8
KAFB-106006	Q4 2020	10/29/2020	18.4	7.48	588	1.23	-98.1	2.49
	Q2 2020	4/24/2020	18.4	7.69	527.8	1.60	-74.6	2.79
KAFB-106007	Q4 2020	10/5/2020	18.9	7.31	529.7	0.56	379.4	1.24
	Q2 2020	4/24/2020	21.2	7.88	389.5	4.57	242.2	1.66
KAFB-106008	Q4 2020	10/21/2020	19.7	6.84	1,138	0.13	-156.3	6.82
KAFB-106009	Q4 2020	10/12/2020	21.9	6.89	1,774	0.28	156.5	1.04
KAFB-106010	Q4 2020	10/22/2020	19.4	7.03	539.0	0.19	-182.1	5.01
	Q2 2020	4/24/2020	20.7	7.13	577	0.80	-196.6	1.11
KAFB-106011	Q4 2020	10/1/2020	18.8	7.80	967	1.00	178.1	1.36
	Q2 2020	4/17/2020	18.3	7.62	1,050	0.71	291.0	1.12
KAFB-106012R	Q4 2020	10/2/2020	21.3	7.27	1,610	7.44	195.8	0.97
	Q3 2020	7/14/2020	22.9	7.36	1,400	6.93	300.8	12.0
	Q2 2020	4/23/2020	23.0	7.40	1,700	6.03	228.7	0.85
	Q1 2020	1/14/2020	17.0	7.34	1,586	6.60	334.5	7.14
KAFB-106013	Q4 2020	10/13/2020	19.0	7.70	496.7	2.55	439.6	5.08
	Q3 2020	7/15/2020	23.9	7.63	451.8	4.05	278.4	6.67
	Q2 2020	5/1/2020	21.5	7.79	467.7	1.53	138.1	10.8
	Q1 2020	1/15/2020	16.7	7.82	483.2	1.82	360.2	2.72
KAFB-106014	Q4 2020	10/29/2020	18.6	6.96	1,487	3.47	-66.2	7.32
	Q2 2020	4/24/2020	19.1	7.19	1,085	1.56	-128.6	4.86
KAFB-106016	Q4 2020	10/1/2020	19.4	7.95	368.7	1.93	149.5	3.97
	Q2 2020	4/17/2020	18.9	7.88	346.3	2.86	103.5	3.30
KAFB-106017	Q4 2020	10/19/2020	18.2	7.55	513.6	0.19	-54.2	1.14
	Q2 2020	4/21/2020	19	7.59	497.4	0.24	-64.8	1.42
KAFB-106018	Q4 2020	10/28/2020	16.6	7.76	539.2	2.10	347.6	1.82
	Q2 2020	5/8/2020	19.9	7.57	558	0.59	32.8	3.08
KAFB-106019	Q4 2020	10/8/2020	18.5	7.60	810	0.72	375.3	27.6
	Q2 2020	4/23/2020	19.8	7.45	1,895	5.27	77.8	36.6
KAFB-106020	Q4 2020	10/29/2020	18.2	7.61	563.3	6.11	242.1	123
	Q2 2020	4/28/2020	19.3	7.82	583	5.51	271.8	118
KAFB-106024	Q4 2020	10/21/2020	20.6	7.38	424.7	0.32	224.4	1.25
	Q2 2020	4/20/2020	20.1	7.57	428.1	0.56	301.7	9.44

Table E-3-1
Water Quality Field Measurements for the Current and Previous Three Quarters

Well Location ID	Sample Quarter	Sample Date	Temperature (°C)	pH (S.U.)	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
KAFB-106027	Q4 2020	10/1/2020	19.4	8.07	388.5	3.03	152.9	0.71
	Q2 2020	4/20/2020	18.1	7.84	385.9	3.88	348.4	3.38
KAFB-106028	Q4 2020	10/22/2020	19.1	6.93	936	0.11	-228.7	1.71
KAFB-106038	Q4 2020	10/5/2020	23.1	7.69	478.0	6.43	420.0	1.12
	Q2 2020	4/22/2020	19.7	7.68	823	4.07	286.0	2.46
KAFB-106039	Q4 2020	10/5/2020	24.0	7.58	776	2.41	383.1	2.68
	Q2 2020	4/22/2020	20.9	7.72	689	5.25	244.1	10.7
KAFB-106040	Q4 2020	10/7/2020	18.4	7.51	554.8	3.42	405.1	1.31
	Q2 2020	4/23/2020	20.3	7.69	453.9	4.47	345.2	5.12
KAFB-106044	Q4 2020	10/1/2020	19.5	8.17	374.4	3.10	167.9	0.64
	Q2 2020	4/20/2020	18.1	7.85	365.1	3.11	331.1	0.52
KAFB-106045	Q4 2020	10/8/2020	22.4	7.72	347.7	3.08	393.5	0.46
	Q2 2020	4/24/2020	18.9	7.91	354.0	2.85	348.7	0.47
KAFB-106046	Q4 2020	10/20/2020	19.5	7.58	482.7	1.70	367.0	0.95
	Q2 2020	4/22/2020	19.7	7.8	432.7	4.46	202.2	0.50
KAFB-106047	Q4 2020	10/20/2020	19.1	7.79	445.0	3.84	374.0	1.97
	Q2 2020	4/17/2020	18.5	7.27	386.8	5.81	324.3	3.40
KAFB-106048	Q4 2020	10/15/2020	21.1	7.90	387.0	5.92	399.4	27.6
	Q2 2020	4/29/2020	19.4	7.78	362.2	5.39	166.0	1.88
KAFB-106059	Q4 2020	10/23/2020	19.4	6.82	767	0.24	-117.8	3.34
	Q2 2020	5/6/2020	20.4	6.96	566	0.13	-256.6	7.33
KAFB-106060	Q4 2020	10/20/2020	18.9	7.59	735	6.32	338.9	0.98
	Q2 2020	4/20/2020	18.6	7.68	792	5.90	295.5	0.42
KAFB-106061	Q4 2020	10/15/2020	22.4	7.85	364.9	2.27	388.0	2.81
	Q2 2020	4/27/2020	22.3	7.63	349.3	3.18	138.1	5.99
KAFB-106062	Q4 2020	10/20/2020	19.0	7.73	391.4	4.04	358.3	6.18
	Q2 2020	4/21/2020	19.2	7.78	376.0	3.97	141.0	2.57
KAFB-106063[a]	Q4 2020	10/14/2020	18.3	6.87	868	0.21	-129.9	9.38
	Q2 2020	5/19/2020	18.9	6.90	NA	0.13	-168.6	1.98
KAFB-106064[a]	Q4 2020	10/14/2020	17.5	6.72	1189	0.00	-100.9	9.30
	Q2 2020	5/19/2020	18.3	6.81	NA	0.05	-193.6	4.84
KAFB-106065	Q4 2020	10/19/2020	16.5	7.16	644	5.80	201.3	2.82
	Q2 2020	4/22/2020	17.0	7.27	677	0.22	7.7	7.15
KAFB-106066	Q4 2020	10/16/2020	16.7	7.80	333.4	4.47	340.4	1.17
	Q2 2020	4/22/2020	17.0	7.84	381.6	4.26	175.6	0.76
KAFB-106067	Q4 2020	10/19/2020	18.6	7.08	979	0.13	-96.7	1.07
	Q2 2020	4/21/2020	18.2	7.33	559.2	0.20	35.9	2.22
KAFB-106068	Q4 2020	10/16/2020	18.4	7.75	345.1	5.85	300.7	5.30
	Q2 2020	4/20/2020	18.3	7.57	380.0	4.75	303.4	6.13
KAFB-106069	Q4 2020	10/16/2020	17.0	7.69	558.2	0.26	-54.9	0.73
	Q2 2020	4/23/2020	20.7	7.59	540.8	2.55	238.6	1.88
KAFB-106073	Q4 2020	10/12/2020	19.7	7.54	654	0.24	310.9	9.77
	Q2 2020	4/30/2020	20.2	7.67	555	0.84	139.0	1.15
KAFB-106074	Q4 2020	10/12/2020	18.0	7.68	522.4	3.45	399.5	1.21
	Q2 2020	4/30/2020	21.8	7.75	450.6	3.44	162.2	1.53

Table E-3-1
Water Quality Field Measurements for the Current and Previous Three Quarters

Well Location ID	Sample Quarter	Sample Date	Temperature (°C)	pH (S.U.)	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
KAFB-106075	Q4 2020	10/23/2020	18.1	7.43	1,062	4.78	287.8	6.62
	Q2 2020	4/20/2020	18.3	7.63	629	0.30	158.4	0.62
KAFB-106076	Q4 2020	10/30/2020	18.5	6.72	1,042	0.24	-65.5	11.6
	Q2 2020	4/28/2020	24.2	7.49	454.2	0.18	-242.7	23.7
KAFB-106077	Q4 2020	10/9/2020	23.9	7.69	384.7	3.84	372.9	1.99
	Q2 2020	4/27/2020	21.5	7.78	387.0	3.28	133.2	1.60
KAFB-106078	Q4 2020	10/20/2020	20.2	7.67	373.0	2.51	352.1	16.6
	Q2 2020	4/21/2020	19.8	7.82	360.9	1.89	235.6	5.02
KAFB-106079	Q4 2020	10/30/2020	18.6	6.88	1,204	0.22	-83.6	9.80
KAFB-106080	Q4 2020	11/24/2020	18.1	6.89	1,186	0.25	-69.0	1.39
	Q2 2020	4/23/2020	18.4	6.99	1,327	0.25	-18.0	1.31
KAFB-106081	Q4 2020	10/15/2020	21.8	7.80	375.8	4.32	402.6	0.71
	Q2 2020	4/29/2020	22.0	7.58	350.9	5.08	170.6	1.06
KAFB-106082	Q4 2020	10/6/2020	22.6	7.54	641	0.52	305.8	0.83
	Q2 2020	4/28/2020	23.6	7.46	582	1.48	127.2	0.39
KAFB-106083	Q4 2020	10/6/2020	18.8	7.79	419.2	0.23	257.2	0.61
	Q2 2020	4/28/2020	20.0	7.83	491.4	0.71	97.1	1.52
KAFB-106084	Q4 2020	10/6/2020	23.3	7.77	363.8	3.15	336.9	1.22
	Q2 2020	4/28/2020	22.6	7.78	366.0	3.31	150.6	1.25
KAFB-106094	Q4 2020	10/19/2020	18.9	7.33	856	0.21	-118.6	2.23
	Q2 2020	4/21/2020	18.6	7.46	511.4	0.20	59.1	1.48
KAFB-106095	Q4 2020	10/7/2020	23.7	7.37	624	0.22	356.4	2.27
	Q2 2020	4/29/2020	21.8	7.67	469.9	2.28	148.0	4.39
KAFB-106096	Q4 2020	10/7/2020	21.7	7.67	352.4	2.63	397.2	5.23
	Q2 2020	5/8/2020	19.4	7.76	357.5	4.23	134.7	5.11
KAFB-106097	Q4 2020	10/13/2020	19.7	7.80	442.5	2.76	419.0	0.92
	Q3 2020	7/16/2020	19.9	7.63	395.6	2.97	349.1	0.37
	Q2 2020	5/1/2020	20.5	7.70	496.2	2.77	134.1	0.96
	Q1 2020	1/15/2020	17.8	7.86	455.0	3.22	357.3	0.29
KAFB-106098	Q4 2020	10/13/2020	19.3	7.83	490.2	2.92	441.9	0.62
	Q3 2020	7/15/2020	21.4	7.75	435.5	3.38	209.9	0.75
	Q2 2020	5/1/2020	19.3	7.44	440.1	3.32	165.5	0.73
	Q1 2020	1/15/2020	18.2	7.90	380.9	3.10	354.5	0.59
KAFB-106099	Q4 2020	10/14/2020	18.5	7.83	442.8	4.60	403.8	0.49
	Q3 2020	7/16/2020	21.0	7.71	372.6	5.59	319.2	0.69
	Q2 2020	5/5/2020	19.6	7.79	363.8	6.06	164.6	1.23
	Q1 2020	1/16/2020	17.0	7.95	412.0	6.12	370.5	2.43
KAFB-106100	Q4 2020	10/14/2020	20.7	7.81	369.6	3.69	340.1	6.26
	Q3 2020	7/16/2020	22.1	7.74	331.7	2.96	328.9	0.79
	Q2 2020	5/5/2020	19.1	7.81	331.4	2.75	162.5	1.18
	Q1 2020	1/16/2020	14.4	8.01	378.7	2.31	292.3	0.82
KAFB-106101	Q4 2020	10/14/2020	20.4	7.69	794	7.28	340.6	1.29
	Q3 2020	7/15/2020	19.7	7.68	432.4	6.11	345.2	0.82
	Q2 2020	5/4/2020	19.6	7.79	398.9	5.35	158.4	2.91
	Q1 2020	1/17/2020	16.3	7.93	488.8	5.17	386.5	0.81

Table E-3-1
Water Quality Field Measurements for the Current and Previous Three Quarters

Well Location ID	Sample Quarter	Sample Date	Temperature (°C)	pH (S.U.)	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
KAFB-106102	Q4 2020	10/15/2020	18.3	7.92	389.0	3.89	387.5	0.66
	Q3 2020	7/15/2020	20.1	7.78	327	3.25	337.9	0.93
	Q2 2020	5/4/2020	20.7	7.79	328.3	2.17	160.2	1.28
	Q1 2020	1/17/2020	17.1	8.00	396.7	2.13	401.9	0.38
KAFB-3411	Q4 2020	10/2/2020	23.9	7.71	364.4	1.74	165.2	1.28
	Q2 2020	4/24/2020	20.0	7.87	365.0	3.02	261.1	1.17

Note: Some wells are not sampled in Q1 and Q3 and therefore do not have data reported.

[a] Specific conductance not collected at this location.

°C = degrees Celsius
µS/cm = microSiemens per centimeter
DO = dissolved oxygen
ID = identification
mg/L = milligram per liter
NA = not applicable
mV = millivolt
NTU = nephelometric turbidity unit
ORP = oxidation reduction potential
Spec. Cond. = specific conductivity
S.U. = standard unit
Q1 = first quarter
Q2 = second quarter
Q3 = third quarter
Q4 = fourth quarter