DEPARTMENT OF THE AIR FORCE
377TH AIR BASE WING (AFGSC)

ENTERED

07-Sep-2023

Ryan J. Wortman
Physical Scientist
Kirtland Installation Support Section
2000 Wyoming Blvd SE
Kirtland AFB NM 87117

Received
SEP 2023
NMED Hazardous Waste Bureau

Mr. Ricardo Maestas
Hazardous Waste Bureau (HWB) Acting Chief
New Mexico Environment Department (NMED)
2905 Rodeo Park Drive East Building 1
Santa Fe NM 87505-6303

Dear Mr. Maestas:

Please see attached replacement appendix for Appendix I-3 of the *Kirtland Air Force Base Bulk Fuels Facility, Periodic Monitoring Report – October-December 2022, Solid Waste Management Units ST-106/SS-111*. This appendix was attached to Kirtland AFB's Periodic Monitoring Report Transmittal Letter signed March 17, 2023. Field documents within Appendix I-3 were identified as missing. The attached replacement appendix has been corrected for the record and contains all required field documents.

Sincerely,

WORTMAN.RYAN.J.1591145289 Digitally signed by WORTMAN.RYAN.J.1591145289 Date: 2023.09.07 13:56:35 -06'00'

RYAN J. WORTMAN, Physical Scientist,
Kirtland Installation Support Section, Air Force Civil Engineer Center (AFCEC)

Attachment:
Replacement Page For Memorandum for Bulk Fuels Facility Release Project Solid Waste Management Units ST-106/SS-111

cc:
NMED Resource Protection Division (Shean), letter and CD
NMED HWB (Maestas), 2 Hard Copies/2 CDs
NMED GWQB (Romero), letter and CD
EPA Region 6 (King, McKinney), letter and CD

KAFB5312

APPENDIX I-3

GROUNDWATER PURGE LOGS AND SAMPLE COLLECTION LOGS

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106001**
Project No:	**6360401**	**Samplers:**	**D. Schmeelk, K. Copeland**
Date:	**10/19/2022**		

Well Information

Well was	Intermediate	Well Depth:	511.78 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	486.28 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	511.28 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857 & 4838
IDW will be taken to:	Pending Analysis Yard	IDW Label:	White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 468.26 ft MRP Depth to Water (DTW): 469.67 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-752

Non-Dedicated Pump Depth 488.30 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW001-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-001-224		

Reviewed By: _____ Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/19/2022

Purge Start Time: 08:30 Purge Rate: 840 mL/min X 0.000265 0.2226 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 18.02 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**——**	**If > 10, ±10%**	**±10%**	**——**	**±10%**	**±10%**	**±0.5**	**——**
08:35	469.65	4.38	17.6	94	9.77	219.8	8.32	143.3
08:40	469.65	4.79	17.9	44.8	4.2	288	7.83	119.8
08:45	469.65	4.86	18.4	26.6	2.49	288	7.8	110.4
08:50	469.65	3.82	18.7	21.1	1.96	286.4	7.79	101.6382
08:55	469.65	3.24	18.8	19.4	1.88	285.9	7.79	97.2
09:00	469.65	5.45	18.9	19	1.76	284.8	7.78	94.8

Sample Time: 09:00 Sample Date: 10/19/2022

Purge End Time: 09:10

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: DS Sampler Signature: DS Wednesday, October 19, 2022 09:47 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.904	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project:	Kirtland AFB BFF ST-106/SS-111	Well ID:	KAFB-106002
Project No:	6360401	Samplers:	K. Copeland, ~~2~~ M. Al Khazraji -EP 10/31/22
Date:	10/24/2022		

Well Information

Well was	Clean	Well Depth:	507.39 ft MRP
SCREEN SUBMERGED on	07/06/2022 (previous gauging date)	Top of Screen:	481.39 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	506.39 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 465.46 ft MRP Depth to Water (DTW): 466.19 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW002-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-002-224		

Reviewed By: Eddie [signature] Initials: EP Review Date: 10/31/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/24/2022

Purge Start Time: 14:14 Purge Rate: 740 mL/min X 0.000265 0.1961 gal/min

Description of first water purged: Clear odorless

Drawdown Limit: 15.93 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
14:21	466.19	0.27	17.6	70.1	6.76	253.2	7.99	171.4
14:26	466.19	0.27	17.6	69	6.65	253.4	7.98	171.3
14:31	466.2	0.22	17.7	67.1	6.46	255	7.99	172.8
14:36	466.2	0.2	17.9	59.8	5.59	260.2	8.12	171.9
14:41	466.2	0.78	18	58.5	5.51	283.8	8.17	170.1
14:46	466.2	0.79	18.2	53.4	5.03	285.4	8.19	168.5

Sample Time: 14:50 Sample Date: 10/24/2022

Purge End Time: 15:05

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: NP Sampler Signature: MA Monday, October 24, 2022 15:57 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	10.0011	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/31/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106003**
Project No:	**6360401**	**Samplers:**	**D.Schmeelk, S.Talley**
Date:	**10/06/2022**		

Well Information

Well was	Clean	Well Depth:	506 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	479 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	504 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 463.08 ft MRP Depth to Water (DTW): 464.23 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW003-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-003-224		

Reviewed By: _____ Initials: EP Review Date: 10/6/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/06/2022

Purge Start Time: 12:30 Purge Rate: 760 mL/min X 0.000265 0.2014 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 15.92 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:35	464.23	0.74	17.6	99.8	9.9	562.7	7.87	176.8
12:40	464.23	0.81	18.1	94.5	8.87	585	7.86	172.1
12:45	464.23	3.63	18.4	90.3	8.46	593	7.85	169.2
12:50	464.23	0.65	18.4	88.7	8.31	600	7.85	168.7

Sample Time: 12:56 Sample Date: 10/06/2022

Purge End Time: 13:09

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D. Schmeelk Sampler Signature: DS Thursday, October 06, 2022 13:41 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.8546	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/6/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** D.Schmeelk, S.Talley

Date: 10/05/2022

Well Information

Well was: Clean

SCREEN SUBMERGED on 07/07/2022 **(previous gauging date)**

Barricade/Notification: Barricades by EA - VA lot

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

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 Label: Green Non-Hazardous

Protective Casing/Vault: Intact

Well Locked/Security Bolt Present: Yes

Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No

LNAPL Thickness: ft

LNAPL Not observed during last gauging event: 7/7/2022

Previous Depth to water: 469.2 ft MRP

Depth to Water (DTW): 470.31 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 488.70 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 - 15K101396 WH0001
PID	No PID available
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW004-224

Duplicate ID (if applicable):

COC#: COC-004-224

Sampling Method: Low-flow

Sampling Medium: Water

Reviewed By: Initials: EP Review Date: 10/5/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/05/2022

Purge Start Time: 08:23 Purge Rate: 980 mL/min X 0.000265 0.2597 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 17.54 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
08:25	470.31	18.2	17.2	70	6.76	477.5	7.66	177.1
08:30	470.31	2.34	17.4	94	8.96	442.2	7.75	163.3
08:35	470.31	2.92	18.1	70	6.55	447.4	7.76	139.5
08:40	470.31	3.4	18.2	61.6	5.81	446.2	7.76	132.9
08:45	470.31	0.31	18.3	57.7	5.43	444.4	7.77	127.7
08:50	470.31	0.35	18.3	57.1	5.36	443.6	7.76	126.3

Sample Time: 08:52 Sample Date: 10/05/2022

Purge End Time: 08:56

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D.Schmeelk Sampler Signature: DS Wednesday, October 05, 2022 09:35 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.5701	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/5/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/20/2022

Well Information

Well was	Hazardous	Well Depth:	508.87 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	481.87 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	506.87 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0.1 ppm

LNAPL Present? Yes LNAPL Thickness: 0.02 ft LNAPL observed during last gauging event: 7/6/2022

Previous Depth to water: 470.48 ft MRP Depth to Water (DTW): 471.77 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 484.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW005-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-005-224		

Reviewed By: Initials: EP Review Date: 10/20/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/20/2022

Purge Start Time: 11:17 Purge Rate: 520 mL/min X 0.000265 0.1378 gal/min

Description of first water purged: Clear with strong hydrocarbon odor

Drawdown Limit: 11.39 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	——	**if > 10, ±10%**	**±10%**	——	**±10%**	**±10%**	**±0.5**	——
11:30	471.77	11.7	19.4	9.8	0.88	698	6.69	-15
11:35	471.77	22.1	1.4	8	0.72	694	6.69	-24.3
11:40	471.77	19.2	19.4	6.4	0.58	691	6.7	-35.7
11:45	471.77	21.9	19.5	5.3	0.54	616	6.71	-43.2
11:50	471.77							
12:15	471.77	23.4	22.5	73	5.94	697	6.8	-55
12:20	471.77	23.4	20.8	37.8	3.44	695	6.75	-52.1
12:25	471.77	22.8	20.7	33.9	2.99	692	6.72	-52
12:30	471.77	22.8	20.8	27.8	~~27.7~~ 2.51	~~2.51~~	6.71	-53.4

Sample Time: 12:31 Sample Date: 10/20/2022

Purge End Time: 12:32

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Thursday, October 20, 2022 13:01 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.335	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: Purge lost at 11:50, regained at 1211.

Reviewed By: Initials: EP Review Date: 10/20/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106006
Project No: 6360401 **Samplers:** S. Miles and C. Ford
Date: 10/21/2022

Well Information

Well was Hazardous
SCREEN SUBMERGED on 07/05/2022 **(previous gauging date)**
Barricade/Notification: N/A
Measurement Reference Point (MRP): TOPC
IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Well Depth: 514.18 ft MRP
Top of Screen: 486.68 ft MRP
Bottom of Screen: 511.68 ft MRP
Reference Elevation Interval: 4857
IDW Label: Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 475.11 ft MRP Depth to Water (DTW): 476.34 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 488.70 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW006-224 Sampling Method: Low-flow
Duplicate ID (if applicable): Sampling Medium: Water
COC#: COC-006-224

Reviewed By: Initials: EP Review Date: 10/24/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/21/2022

Purge Start Time: ~~08:49~~ 09:49 EP 10/24 Purge Rate: 590 mL/min X 0.000265 0.15635 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 11.57 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
09:50	476.34	2.41	16.2	68.9	6.76	280	7.67	256.7
09:55	476.34	2.37	15.5	62	6.17	279.7	7.74	255.3
10:00	476.34	2.01	14.6	59.4	6.02	275.4	7.79	256.7
10:05	476.34	4.25	17.4	65.2	5.89	641	6.62	120.5
10:10	476.36	5.76	18	17.3	1.61	652	6.73	-4.7
10:16	476.36	3.04	18.2	11.4	1.04	635	6.78	-41.9
10:20	476.36	12.4	18.1	6.1	0.57	622	6.79	-54
10:25	476.36	7.19	18.3	3.9	0.37	598	6.8	-63.4
10:30	476.36	7.2	18.2	2.9	0.27	585	6.8	-69.8
10:35	476.36	3.74	18.3	2.4	0.22	580	6.8	-73.2
10:40	476.36	6.61	18.4	1.9	0.17	565.9	6.8	-75.9
10:45	18.4	3.25	18.3	1.5	0.14	560.4	6.81	-78.9
10:50	476.36	15.1	18.4	1.3	0.12	530.2	6.82	-81.2

Sample Time: 11:01 Sample Date: 10/21/2022

Purge End Time: 11:07

Bubbles in the vials?: No Where? _____ Amount: _____ Size: _____

Sampled by: S. Miles Sampler Signature: S. Miles Friday, October 21, 2022 12:04 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	26.5763	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: _____

Reviewed By: _____ Initials: EP Review Date: 10/24/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** D. Schmeelk, K. Copeland

Date: 10/17/2022

Well Information

Well was	Clean	Well Depth:	515.66 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	488.66 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	513.66 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 473.12 ft MRP Depth to Water (DTW): 474.42 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 490.60 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW007-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW007-624	Sampling Medium:	Water
COC#:	COC-007-224		

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/17/2022

Purge Start Time: 13:31 Purge Rate: 660 mL/min X 0.000265 0.1749 gal/min

Description of first water purged: Clear

Drawdown Limit: 15.54 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
13:36	474.4	0.59	17.2	83.1	8	1.3	6.73	127.8
13:41	474.4	0.49	17.6	61.3	5.5	261.9	7.04	167.2
13:46	474.4	1.39	17.7	34.2	3.25	368.7	7.45	169.6
13:50	474.39	0.6	17.7	29.9	2.85	380.9	7.48	167.7
13:55	474.39	0.48	18	27.6	2.6	381.4	7.48	166.6
14:00	474.39	0.65	18	25.9	2.44	383.4	7.48	164.9

Sample Time: 14:11 Sample Date: 10/17/2022

Purge End Time: 14:18

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: DS Sampler Signature: DS Monday, October 17, 2022 14:23 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.7203	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/19/2022

Well Information

Well was	Hazardous	Well Depth:	516.42	ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	488.92	ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	513.92	ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857	
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous	

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 475.49 ft MRP Depth to Water (DTW): 476.99 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 491.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW008-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW008-624	Sampling Medium:	Water
COC#:	COC-008-224		

Reviewed By: Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/19/2022

Purge Start Time: 08:24 Purge Rate: 600 mL/min X 0.000265 0.159 gal/min

Description of first water purged: Yellowish with moderate hydrocarbon odor

Drawdown Limit: 13.43 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
08:25	476.99	4.42	15.1	83.1	8.31	322.3	8.56	222
08:30	476.99	4.06	15.1	74.4	7.42	321.6	8.62	221.7
08:35	476.99	4.02	14.1	84.1	8.58	321.8	8.71	223.6
08:40	476.99	51.7	16.5	81.9	7.6	488.7	7.42	48.6
08:45	476.99	16.1	17	46.6	4.45	511.2	7.42	-4.9
08:50	476.99	5.29	17.4	24.9	2.35	505.5	7.46	-42.9
08:55	476.99	3.59	17.7	13.2	1.24	490.5	7.49	-59.6
09:00	476.99	3.14	17.8	8.1	0.76	473.1	7.5	-72.3
09:05	476.99	2.15	17.9	6.3	0.6	455	7.5	-79.2
09:10	476.99	1.99	18.1	4.3	0.41	308.5	7.5	-85.8
09:15	476.99	2.54	18.1	3.6	0.34	373.7	7.51	-92.5
09:20	476.99	2.7	18.3	3	0.28	370	7.53	-98.1
09:25	476.99	3.04	18.4	2.5	0.23	362.7	7.52	-104.5

Sample Time: 09:26 Sample Date: 10/19/2022

Purge End Time: 09:31

Bubbles in the vials?: Yes Where? Voc voa Amount: 1 Size: 1mm

Sampled by: S. Miles Sampler Signature: S. Miles Wednesday, October 19, 2022 10:28 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.653	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** K.Copeland + S.Talley

Date: 10/20/2022

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 07/05/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

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

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 472.21 ft MRP Depth to Water (DTW): 473.58 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-752

Non-Dedicated Pump Depth 485.70 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Geotech 500 ft - 0001 WH0570
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW009-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-009-224

Reviewed By: Initials: EP Review Date: 10/20/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/20/2022

Purge Start Time: 09:20 Purge Rate: 960 mL/min X 0.000265 0.2544 gal/min

Description of first water purged: Clear, sulfur smell

Drawdown Limit: 11.48 ft (based on previous water level)

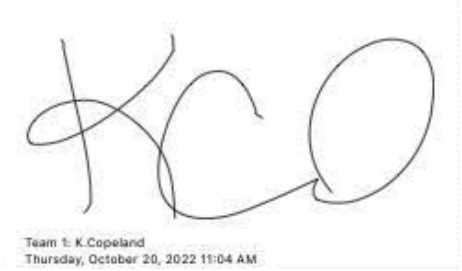
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
09:25	473.58	1.44	17.3	9.6	0.89	959	7.41	123.7
09:30	473.58	0.33	17.8	5.9	0.55	951	7.38	101.5
09:35	473.58	0.63	18	4.3	0.41	944	7.38	86.9
09:40	473.6	0.53	18.1	3.5	0.34	942	7.37	79.1
09:45	473.6	0.35	18.2	3.6	0.34	935	7.37	75.1
09:50	473.6	1.2	18.1	4.3	0.4	956	7.36	68.7
09:55	473.6	1.02	18.2	3.9	0.37	957	7.36	66.5
10:00	473.6	0.56	18.2	3.6	0.34	956	7.35	62.3

Sample Time: 10:01 Sample Date: 10/20/2022

Purge End Time: 10:13

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: KC Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	18.4832	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/20/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/18/2022

Well Information

Well was	Hazardous	Well Depth:	510.5 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	483 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	508 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 467.28 ft MRP Depth to Water (DTW): 469.01 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW010-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-010-224		

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/18/2022

Purge Start Time: 09:02 Purge Rate: 440 mL/min X 0.000265 0.1166 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 15.72 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
09:05	469.01	3.79	13.3	84.8	8.74	225.4	7.6	234
09:10	469.01	2.9	12.1	73.5	7.87	227.1	7.8	229.1
09:15	469.01	4.92	11.7	69.6	7.55	228.5	7.85	227.8
09:20	469.01	2.6	11.7	68.8	7.47	229.4	7.87	226.4

Sample Time: 09:21 Sample Date: 10/18/2022

Purge End Time: 09:25

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Tuesday, October 18, 2022 09:33 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	7.6818	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** D. Schmeelk, S. Talley

Date: 10/14/2022

Well Information

Well was	Clean	Well Depth:	519.05 ft MRP
SCREEN SUBMERGED on	**07/08/2022** **(previous gauging date)**	Top of Screen:	489.05 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	514.05 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/8/2022

Previous Depth to water: 477.31 ft MRP Depth to Water (DTW): 478.52 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated Pump

Non-Dedicated Pump Depth 0.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW011-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW011-624	Sampling Medium:	Water
COC#:	COC-011-224		

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/14/2022

Purge Start Time: 10:55 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 11.74 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
11:00	478.52	2.1	17.9	75.9	7.16	596	7.82	193.8
11:05	478.52	2.21	17.9	74.3	7.1	599	7.75	192.9
11:10	478.52	1.83	18	73.6	6.99	598	7.69	193.1
11:15	478.52	1.93	18.1	72.3	6.82	598	7.66	194.7

Sample Time: 11:20 Sample Date: 10/14/2022

Purge End Time: 11:33

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D.Schmeelk Sampler Signature: DS Friday, October 14, 2022 11:40 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	8.056	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** S. Miles and L. Beasley

Date: 10/11/2022

Well Information

Well was: Clean

SCREEN NOT SUBMERGED on 07/06/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 502.91 ft MRP

Top of Screen: 468.47 ft MRP

Bottom of Screen: 497.74 ft MRP

Reference Elevation Interval: 4857

IDW Label: Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 468.71 ft MRP Depth to Water (DTW): 469.71 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1806B-743

Non-Dedicated Pump Depth 495.70 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW012R-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-012R-224

Reviewed By: Initials: EP Review Date: 10/11/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/11/2022

Purge Start Time: 12:55 Purge Rate: 720 mL/min X 0.000265 0.1908 gal/min

Description of first water purged: Odorless and Colorless

Drawdown Limit: 7.26 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
13:00	475.7	17.2	22.6	92.7	9.06	957	7.55	186.8
13:05	475.7	30.8	23.2	97.5	8.35	957	7.6	185.6
13:10	475.7	23.9	23.5	92.8	7.87	951	7.6	185.1
13:15	475.7	17	24.1	91.1	7.6	954	7.64	184.2
13:20	475.7	5.75	25.1	84.2	7.01	953	7.64	182.5

Sample Time: 13:23 Sample Date: 10/11/2022

Purge End Time: 13:38

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Tuesday, October 11, 2022 13:40 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.7044	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/11/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106013**
Project No:	**6360401**	**Samplers:**	**D.Schmeelk, S.Talley**
Date:	**10/04/2022**		

Well Information

Well was	Clean	Well Depth:	519.65 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	489.65 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	514.65 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 474.47 ft MRP Depth to Water (DTW): 475.74 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 491.60 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 - 15K101396 WH0001
PID	No PID available
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW013-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-013-224		

Reviewed By: A. Brandon Initials: AKB Review Date: 10/4/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/04/2022

Purge Start Time: 13:50 Purge Rate: 880 mL/min X 0.000265 0.2332 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 15.18 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
13:55	475.72	3.14	19.1	65.7	6.18	397.8	7.93	165.5
14:00	475.71	4.74	19.2	33.9	3.08	413.8	7.79	158
14:05	475.71	10.3	19.4	26.3	2.42	414.9	7.79	153.6
14:10	475.7	6.71	19.3	25.3	2.32	415.2	7.78	151.6
14:15	475.71	6.35	19.1	24.9	2.32	415.5	7.79	149.5

Sample Time: 14:20 Sample Date: 10/04/2022

Purge End Time: 14:24

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D. Schmeelk Sampler Signature: DS Tuesday, October 04, 2022 14:26 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.9288	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: A. Brandon Initials: AKB Review Date: 10/4/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/17/2022

Well Information

Well was	Hazardous	Well Depth:	519.19 ft MRP
SCREEN SUBMERGED on	**07/07/2022** **(previous gauging date)**	Top of Screen:	489.19 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	514.19 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/7/2022

Previous Depth to water: 474.11 ft MRP Depth to Water (DTW): 475.6 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 491.20 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW014-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-014-224		

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/17/2022

Purge Start Time: 10:51 Purge Rate: 620 mL/min X 0.000265 0.1643 gal/min

Description of first water purged: Slight yellow color and no odor

Drawdown Limit: 15.08 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
10:55	475.6	3.67	16.3	60.3	5.49	1363	6.71	53
11:00	475.6	2.91	16.4	16.2	1.55	1382	6.88	-6.8
11:05	475.6	1.48	16.9	8.5	0.82	1376	6.92	-31.5
11:10	475.6	1.53	16.8	6.6	0.63	1379	6.92	-40.1
11:15	475.6	1.43	16.9	5.5	0.53	1385	6.91	-44.7
11:20	475.6	1.27	16.9	4.2	0.4	1385	6.9	-49.5
11:25	475.6	1.22	17	3.7	0.35	1389	6.9	-51.3
11:30	475.6	2.64	17	3.2	0.31	1391	6.91	-52.9
11:35	475.6	1.29	16.9	2.8	0.27	1404	6.91	-54.8
11:40	475.6	1.3	16.9	2.5	0.24	1415	6.91	-55.2
11:45	475.6	1.21	17	2.3	0.22	1401	6.92	-57.2
11:50	475.6	1	16.9	2.1	0.2	1402	6.92	-57.6

Sample Time: 12:16 Sample Date: 10/17/2022

Purge End Time: 12:21

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: C. Ford Sampler Signature: S. Miles Monday, October 17, 2022 13:07 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	19.787	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/17/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW015-224

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	517.52 ft MRP
Previous Depth to Water (MRP):	**467.77**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	487.52 ft MRP
Length of Screen not submerged (ft):	**-19.75**			Bottom of Screen:	512.52 ft MRP

Deployment Team: D.Schmeelk, E.Piechowicz

Date Deployed: 08/29/2022 **Time Deployed:** 09:10

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, August 29, 2022 09:10 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**488.22**
✓	**2**	**490.74**
✓	**3**	**493.26**
	4	**495.78**
	5	**498.3**
	6	**500.82**
	7	**503.34**
	8	**505.86**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW015-224

Date Sampled: 10/06/2022 **Time Sampled:** 15:46 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW015-224
Duplicate ID:
COC#: COC-015-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/6/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** M. Al Khazraji N. Potter

Date: 10/25/2022

Well Information

Well was	Clean	Well Depth:	508.29 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	478.29 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	503.29 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0.2 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 465.51 ft MRP Depth to Water (DTW): 466.57 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW016-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-016-224		

Reviewed By: Initials: EP Review Date: 10/25/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/25/2022

Purge Start Time: 12:14 Purge Rate: 1000 mL/min X 0.000265 0.265 gal/min

Description of first water purged: Clear odorless

Drawdown Limit: 12.78 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:20	466.56	6.23	17.7	79.3	7.49	256.8	8.36	141.3
12:25	466.56	2.48	17.6	69.6	6.61	258.4	8.39	138.6
12:30	466.56	1.26	17.7	76	7.25	259.5	8.36	138
12:35	466.56	1.08	17.9	75.6	7.22	258.4	8.36	137.5

Sample Time: 12:40 Sample Date: 10/25/2022

Purge End Time: 12:50

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: N. Potter Sampler Signature: M. Al Khazraji Tuesday, October 25, 2022 13:03 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	9.54	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/25/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106017**
Project No:	**6360401**	**Samplers:**	**K.Copeland + M.Al Khazraji**
Date:	**10/21/2022**		

Well Information

Well was	Intermediate	Well Depth:	515.61 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	485.61 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	510.61 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857 & 4838
IDW will be taken to:	Pending Analysis Yard	IDW Label:	White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 467.12 ft MRP Depth to Water (DTW): 468.61 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: NA

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW017-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW017-624	Sampling Medium:	Water
COC#:	COC-017-224		

Reviewed By: _____ Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/21/2022

Purge Start Time: 11:15 Purge Rate: 920 mL/min X 0.000265 0.2438 gal/min

Description of first water purged: Clear, sulfur smell

Drawdown Limit: 18.49 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
11:20	468.61	0.44	18.3	5.6	0.51	332.9	7.82	14.5
11:25	468.61	0.56	18.3	2.7	0.24	330.9	7.85	-17.3
11:30	468.61	0.29	18.4	2.3	0.21	327.9	7.93	-34.4
11:35	468.61	2.21	18.4	1.9	0.18	324.9	7.85	-50.4
11:40	468.61	2.43	18.4	1.7	0.16	323.4	7.84	-62.4
11:45	468.58	0.56	18.4	1.5	0.14	322.2	7.84	-69.3
11:50	468.58	0.81	18.4	1.4	0.13	318.7	7.84	-75.9
11:55	468.58	2.81	18.4	1.3	0.12	317.6	7.83	-75.9

Sample Time: 12:00 Sample Date: 10/21/2022

Purge End Time: 12:12

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: KC Sampler Signature: Team 2: K. Copeland Friday, October 21, 2022 12:35 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.8966	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** S. Talley, K. Copeland

Date: 10/20/2022

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 07/06/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: 508.67 ft MRP

Top of Screen: 478.96 ft MRP

Bottom of Screen: 503.96 ft MRP

Reference Elevation Interval: 4857 & 4838

IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 460.48 ft MRP Depth to Water (DTW): 462.11 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-752

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW018-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-018-224

Reviewed By: Initials: EP Review Date: 10/20/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/20/2022

Purge Start Time: 12:35 Purge Rate: 840 mL/min X 0.000265 0.2226 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 18.48 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
12:40	462.11	0.54	18.3	39.9	3.64	353.1	7.88	118.7
12:45	462.11	0.71	18.5	18.4	1.67	355.7	7.88	111.9
12:50	462.11	0.55	18.6	6.8	0.64	356.4	7.89	102
12:55	462.11	0.48	18.6	5.2	0.48	356.6	7.9	98
13:00	462.11	0.49	18.6	3.8	0.36	356.8	7.9	94
13:05	462.11	0.38	18.6	3.2	0.3	356.9	7.89	90.6
13:10	462.11	0.27	18.6	2.9	0.26	356.9	7.89	87.2
13:15	462.11	0.29	18.7	2.6	0.25	357	7.89	84.1
13:20	462.11	0.29	18.7	2.5	0.25	356.9	7.89	82

Sample Time: 13:24 Sample Date: 10/20/2022

Purge End Time: 13:45

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Talley Sampler Signature: S. Talley Thursday, October 20, 2022 14:25 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	20.582	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/20/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** S. Talley, K. Copeland

Date: 10/20/2022

Well Information

Well was	Intermediate	Well Depth:	525.91 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	495.91 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	520.91 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857 & 4838
IDW will be taken to:	Pending Analysis Yard	IDW Label:	White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 479.03 ft MRP Depth to Water (DTW): 480.52 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-752

Non-Dedicated Pump Depth 497.90 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW019-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-019-224		

Reviewed By: Initials: EP Review Date: 10/21/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/20/2022

Purge Start Time: 15:35 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 16.88 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
15:45	485.3	2.38	20	36.2	3.27	301.1	7.92	124.2
15:50	485.3	7.68	20	32.6	2.94	299.8	7.94	121.2
15:55	485.3	6.55	19.9	22.8	2.1	301.7	7.91	116.6
16:00	485.3	5.5	19.7	19	1.75	298	7.92	111.7
16:05	485.3	5.08	19.7	16.4	1.51	295.9	7.91	
16:10	485.3	5	19.8	15	1.38	296.2	7.91	106.4
16:15	485.3	4.51	19.6	13.9	1.28	295.2	7.9	104.7

Sample Time: 16:20 Sample Date: 10/20/2022

Purge End Time: 16:27

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: KC Sampler Signature: Team 1: K. Copeland Thursday, October 20, 2022 17:02 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	16.024	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/21/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106020**
Project No:	**6360401**	**Samplers:**	**S. Miles and L. Beasley**
Date:	**10/12/2022**		

Well Information

Well was	Clean	Well Depth:	512 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	482 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	507 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 464.91 ft MRP Depth to Water (DTW): 466.44 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 484.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW020-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-020-224		

Reviewed By: _____ Initials: EP Review Date: 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/12/2022

Purge Start Time: 08:04 Purge Rate: 720 mL/min X 0.000265 0.1908 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 17.09 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
08:10	466.43	0.93	14.7	78.4	7.92	0.8	7.04	183.2
08:15	466.43	2.33	15.7	89.2	8.65	325	7.29	230
08:20	466.43	11	17	43.3	4.16	371	8.06	195
08:25	466.43	23.2	17.6	38.9	3.68	371.5	8.12	180.3
08:30	466.43	16.5	18.1	37.2	3.5	371.3	8.12	172.2
08:35	466.43	14.4	18.5	36.7	3.42	371.4	8.12	169.6
08:40	466.43	12.8	18.6	36.3	3.38	371.4	8.12	168.5
08:45	466.43	13.1	18.8	37.2	3.41	371.7	8.12	167.6
08:50	466.43	9.99	19	38.1	3.35	372	8.12	166.5

Sample Time: 08:51 Sample Date: 10/12/2022

Purge End Time: 08:55

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Wednesday, October 12, 2022 09:13 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	17.2308	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/13/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW021-224

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	488.00 ft MRP
Previous Depth to Water (MRP):	**438.69**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	458.00 ft MRP
Length of Screen not submerged (ft):	**-19.31**			Bottom of Screen:	483.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 10:32

PID: MiniRAE 3000 - 592-915790 WH0004

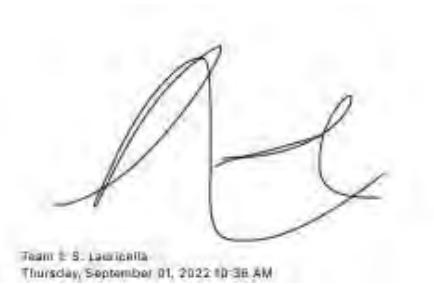
Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:



QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	458.7
✓	2	461.23
✓	3	463.76
	4	466.29
	5	468.82
	6	471.35
	7	473.88
	8	476.41

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Rios **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW021-224

Date Sampled: 10/26/2022 **Time Sampled:** 11:29 **Sampling Team:** S. Lauricella, C. Ford

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW021-224
Duplicate ID:
COC#: COC-021-224

Reveiwed By:

Reviewed Date: EP

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW022-224

Well Information					
Screen Interval Length (ft):	**25**			Well Depth: 492.00	ft MRP
Previous Depth to Water (MRP):	**443.30**	**(Gauged on 07/08/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 462.00	ft MRP
Length of Screen not submerged (ft):	**-18.7**			Bottom of Screen: 487.00	ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 10:20

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

TW
Thursday, September 01, 2022 10:32 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**462.7**
✓	**2**	**465.27**
✓	**3**	**467.84**
	4	**470.41**
	5	**472.98**
	6	**475.55**
	7	**478.12**
	8	**480.69**
	9	**483.26**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By:

Reviewed Date: 9/01/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW022-224

Date Sampled: 10/11/2022 **Time Sampled:** 12:15 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW022-224
Duplicate ID:
COC#: COC-022-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW023-224

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	503.04 ft MRP
Previous Depth to Water (MRP):	**453.43**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	473.04 ft MRP
Length of Screen not submerged (ft):	**-19.61**			Bottom of Screen:	498.04 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 10:20

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

Team # S. Lauricella
Wednesday, August 31, 2022 10:25 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**473.74**
✓	**2**	**476.29**
✓	**3**	**478.84**
	4	**481.39**
	5	**483.94**
	6	**486.49**
	7	**489.04**
	8	**491.59**
	9	**494.14**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiss **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW023-224

Date Sampled: 10/12/2022 **Time Sampled:** 11:05 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW023-224
Duplicate ID:
COC#: COC-023-224

Reveiwed By: Eddie Hess **Reviewed Date:** 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106024**
Project No:	**6360401**	**Samplers:**	**K.Copeland + M.Al Khazraji**
Date:	**10/21/2022**		

Well Information

Well was	Intermediate	Well Depth:	511 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	481 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	506 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	Pending Analysis Yard	IDW Label:	White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 466.95 ft MRP Depth to Water (DTW): 468.07 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: NA

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW024-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-024-224		

Reviewed By: _____ Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/21/2022

Purge Start Time: 09:01 Purge Rate: 840 mL/min X 0.000265 0.2226 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 14.05 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
09:05	468.08	4.51	20.3	18.8	1.5	254.1	7.74	142.9
09:10	468.08	0.41	20.2	10.4	0.94	250.3	7.74	129
09:15	468.09	3.19	20.1	9.4	0.85	248.7	7.74	123.5
09:20	468.08	0.68	20.1	8.6	0.78	246.1	7.72	116.9
09:26	468.09	0.73	20	7.8	0.71	241.6	7.72	109.3

Sample Time: 09:30 Sample Date: 10/21/2022

Purge End Time: 09:40

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: KC Sampler Signature: Team 2: K.Copeland Friday, October 21, 2022 10:08 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	8.6814	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/24/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW025-224

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	495.00 ft MRP
Previous Depth to Water (MRP):	**441.70**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	465.00 ft MRP
Length of Screen not submerged (ft):	**-23.3**			Bottom of Screen:	490.00 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 10:55

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	465.7
✓	2	468.25
✓	3	470.8
	4	473.35
	5	475.9
	6	478.45
	7	481
	8	483.55
	9	486.1

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW025-224

Date Sampled: 10/07/2022 **Time Sampled:** 10:00 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW025-224
Duplicate ID:
COC#: COC-025-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/7/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW026-224

Well Information

Screen Interval Length (ft):	**20**			Well Depth:	491.00 ft MRP
Previous Depth to Water (MRP):	**447.23**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	466.00 ft MRP
Length of Screen not submerged (ft):	**-18.77**			Bottom of Screen:	486.00 ft MRP

Deployment Team: D.Schmeelk, E.Piechowicz

Date Deployed: 08/29/2022 **Time Deployed:** 09:35

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? EP

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**466.7**
✓	**2**	**469.28**
✓	**3**	**471.86**
	4	**474.44**
	5	**477.02**
	6	**479.6**
	7	**482.18**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Eddie Piechowicz
Monday, August 29, 2022 09:48 AM

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW026-224

Date Sampled: 10/06/2022 **Time Sampled:** 10:35 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW026-224
Duplicate ID:
COC#: COC-026-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/6/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111

Well ID: KAFB-106027

Project No: 6360401

Samplers: K. Copeland, ~~2~~ M. Al Khazraji EP 10/31/22

Date: 10/24/2022

Well Information

Well was: Clean		Well Depth: 509.16	ft MRP
SCREEN SUBMERGED on 07/05/2022 (previous gauging date)		Top of Screen: 484.16	ft MRP
Barricade/Notification: N/A		Bottom of Screen: 504.16	ft MRP
Measurement Reference Point (MRP): TOPC		Reference Elevation Interval: 4857	
IDW will be taken to: GWTS/Pending Disposal Area		IDW Label: Green Non-Hazardous	

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 471.75 ft MRP Depth to Water (DTW): 472.62 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW014-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-014-224		

Reviewed By: [signature] Initials: EP Review Date: 10/31/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/24/2022

Purge Start Time: 12:34 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Clear odorless

Drawdown Limit: 12.41 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
12:35	472.62	0.51	18.4	28	2.65	280.02	8.12	160.7
12:40	472.62	0.69	18.1	26.3	2.44	277.7	8.21	157.9
12:45	472.62	0.69	18.2	25.3	2.37	278	8.17	156.6
12:50	472.62	0.42	18.3	25.3	2.34	277.5	8.14	153.4

Sample Time: 12:55 Sample Date: 10/24/2022

Purge End Time: 13:07

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: NP Sampler Signature: MA Monday, October 24, 2022 14:10 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	6.996	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EO Review Date: 10/31/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/18/2022

Well Information

Well was	Hazardous	Well Depth:	516 ft MRP
SCREEN SUBMERGED on	**07/07/2022** **(previous gauging date)**	Top of Screen:	486 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	511 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/7/2022

Previous Depth to water: 472.91 ft MRP Depth to Water (DTW): 474.44 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 488.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW028-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-028-224		

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/18/2022

Purge Start Time: 12:15 Purge Rate: 520 mL/min X 0.000265 0.1378 gal/min

Description of first water purged: Slight hydrocarbon odor and clear

Drawdown Limit: 13.09 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:20	474.44	2.27	16.4	88.2	8.64	276.5	7.91	214.3
12:25	474.44	1.8	16.7	94.4	9.2	268	8.1	211.9
12:30	474.44	12.4	16.8	84.5	8.24	266	8.01	206.1
12:35	474.44	1.88	16.3	82.5	8.07	285.9	7.7	187.2
12:50	474.44	6.83	17.8	16.8	1.56	556.3	6.85	-68
12:55	474.44	19.1	18.1	9.4	0.87	542.8	6.89	-104.6
13:00	474.44	65.2	18.2	6.6	0.62	540	6.9	-127.8
13:05	474.44	15.9	18.2	5	0.46	529.8	6.9	-140.3
13:10	474.44	30.1	18.2	4.1	0.38	524.4	6.9	-147.8
13:15	474.44	6.04	18.2	3.4	0.33	521	6.91	-155.4
13:20	474.44	6.5	18.2	3.2	0.3	514.5	6.9	-169.7
13:25	474.44	6.5	18.2	2.5	0.23	524.5	6.91	-164

Sample Time: 13:26 Sample Date: 10/18/2022

Purge End Time: 13:31

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Tuesday, October 18, 2022 14:15 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.4728	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106029

Project No: 6360401 **Samplers:** S. Lauricella, C. Ford

Date: 10/26/2022

Well Information

Well was	Clean	Well Depth:	475.8 ft MRP
SCREEN SUBMERGED on	**07/07/2022** **(previous gauging date)**	Top of Screen:	450.8 ft MRP
Barricade/Notification:	Barricades by SWSS; 873-0044	Bottom of Screen:	470.8 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/7/2022

Previous Depth to water: 435.24 ft MRP Depth to Water (DTW): 436.77 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: SN1807B-743

Non-Dedicated Pump Depth 453.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Intermediate - Geotech 500 ft - 0001 WH0570
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW029-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-029-224		

Reviewed By: Initials: EP Review Date: 10/27/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106029

Purge Information and Field Parameter

Date: 10/26/2022

Purge Start Time: 15:45 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Clear no odor

Drawdown Limit: 15.56 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
15:50	436.79	16.6	20.7	88.4	7.77	678	8.01	161.2
15:55	436.81	9.32	20.6	84.4	7.56	673	8.09	147
16:00	436.81	12.5	20.5	83.8	7.52	671	8.09	145.8
16:05	436.81	11.6	20.4	83.4	7.5	668	8.11	143.9
16:10	436.81	11.8	20.5	84	7.55	666	8.11	141.9

Sample Time: 16:14 Sample Date: 10/26/2022

Purge End Time: 16:30

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Lauricella Sampler Signature:

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	24.54	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: Sampled with low flow technique due to passive samplers failing - EP 10/27/2022

Reviewed By: Initials: EP Review Date: 10/27/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW030-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	489.90 ft MRP
Previous Depth to Water (MRP):	**435.28**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	469.50 ft MRP
Length of Screen not submerged (ft):	**-34.22**			Bottom of Screen:	484.50 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 09:20

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	470.2
✓	2	472.77
✓	3	475.34
	4	477.91
	5	480.48

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106030 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW030-224

Date Sampled: 10/26/2022 **Time Sampled:** ~~03:4~~ 09:34 EP 10/26/22 **Sampling Team:** S. Lauricella, C. Fred

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW030-224
Duplicate ID:
COC#: COC-030-224

Reveiwed By: [signature]

Reviewed Date: 10/26/22

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW031-224

Well Information					
Screen Interval Length (ft):	**13.7**			Well Depth:	514.90 ft MRP
Previous Depth to Water (MRP):	**435.38**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	495.80 ft MRP
Length of Screen not submerged (ft):	**-60.42**			Bottom of Screen:	509.50 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 09:15

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	496.5
✓	2	499.07
✓	3	501.64
	4	504.21
	5	506.78

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW031-224

Date Sampled: 10/26/2022 **Time Sampled:** 10:03 **Sampling Team:** S. Lauricella, C. Ford

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW031-224
Duplicate ID:
COC#: COC-031-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/26/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW032-224

Well Information				Well Depth:	480.50	ft MRP
Screen Interval Length (ft):	**20**			Top of Screen:	456.00	ft MRP
Previous Depth to Water (MRP):	**441.34**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Bottom of Screen:	476.00	ft MRP
Length of Screen not submerged (ft):	**-14.66**					

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 09:15

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
MS/MSD sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	456.7
✓	2	459.27
✓	3	461.84
✓	4	464.41
✓	5	466.98
✓	6	469.55
	7	472.12

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiss **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW032-224

Date Sampled: 10/10/2022 **Time Sampled:** 10:15 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓	✓						✓
VOCs	✓							✓
BTEX								
BTEXN								
Metals (Dissolved)		✓	✓					✓
Metals (Total)			✓	✓				✓
Alkalinity				✓	✓			
Anions					✓			
Nitrate / Nitrite				✓	✓			

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW032-224
Duplicate ID:
COC#: COC-032-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/10/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW033-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	496.60 ft MRP
Previous Depth to Water (MRP):	**441.47**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	477.00 ft MRP
Length of Screen not submerged (ft):	**-35.53**			Bottom of Screen:	492.00 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 08:04

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	477.7
✓	2	480.27
✓	3	482.84
	4	485.41
	5	487.98

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Rios **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106033 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW033-224

Date Sampled: 10/10/2022 **Time Sampled:** 10:01 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓*						
Alkalinity	✓	✓						
Anions	✓							
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW033-224
Duplicate ID:
COC#: COC-033-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/10/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW034-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	522.00 ft MRP
Previous Depth to Water (MRP):	**442.32**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	502.00 ft MRP
Length of Screen not submerged (ft):	**-59.68**			Bottom of Screen:	517.00 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 08:15

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes: Bailed 1 ft of water from well vault. Gplug was submerged

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	502.7
✓	2	505.28
✓	3	507.86
	4	510.44
	5	513.02

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kerr **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW034-224

Date Sampled: 10/10/2022 **Time Sampled:** 09:11 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW034-224
Duplicate ID:
COC#: COC-034-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/10/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW035-224

Well Information

Screen Interval Length (ft):	**30**			Well Depth:	487.13 ft MRP
Previous Depth to Water (MRP):	**447.28**	**(Gauged on 07/08/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	452.13 ft MRP
Length of Screen not submerged (ft):	**-4.85**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	482.13 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 09:30

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 448.43

DMS Tether and Reel ID match Well ID? TW

Notes:

TW
Thursday, September 01, 2022 09:55 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	1	452.83
✓	2	455.39
✓	3	457.95
	4	460.51
	5	463.07
	6	465.63
	7	468.19
	8	470.75
	9	473.31
	10	475.87
	11	478.43
	12	480.99

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW035-224

Date Sampled: 10/11/2022 **Time Sampled:** 11:25 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW035-224
Duplicate ID:
COC#: COC-035-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW036-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	501.88 ft MRP
Previous Depth to Water (MRP):	**447.76**	**(Gauged on 07/08/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	481.88 ft MRP
Length of Screen not submerged (ft):	**-34.12**			Bottom of Screen:	496.88 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 09:20

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Thursday, September 01, 2022 09:24 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**482.58**
✓	**2**	**485.15**
✓	**3**	**487.72**
	4	**490.29**
	5	**492.86**
	6	**495.43**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW036-224

Date Sampled: 10/11/2022 **Time Sampled:** 10:58 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep)							
	1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓	✓					
Anions		✓						
Nitrate / Nitrite		✓	✓					

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW036-224
Duplicate ID:
COC#: COC-036-224

Reveiwed By: Eddie Reyes **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW037-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	527.05 ft MRP
Previous Depth to Water (MRP):	**448.26**	**(Gauged on 07/08/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	507.05 ft MRP
Length of Screen not submerged (ft):	**-58.79**			Bottom of Screen:	522.05 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 09:40

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes:

TW
Thursday, September 01, 2022 09:48 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**507.75**
✓	**2**	**510.32**
✓	**3**	**512.89**
✓	**4**	**515.46**
✓	**5**	**518.03**
	6	**520.6**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiss **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW037-224

Date Sampled: 10/11/2022 **Time Sampled:** 10:15 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓	
VOCs	✓						✓	
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓					✓	
Metals (Total)		✓	✓				✓	
Alkalinity			✓	✓			✓	
Anions				✓			✓	
Nitrate / Nitrite				✓			✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: Pending Analysis Yard

Notes: 1 x 1mm bubbe in 2 VOAs (1EDB & 1VOC)

Sample ID: GW037-224
Duplicate ID: GW037-624
COC#: COC-037-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106038**
Project No:	**6360401**	**Samplers:**	**S. Miles and L. Beasley**
Date:	**10/14/2022**		

Well Information

Well was	Clean	Well Depth:	516.26	ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	481.26	ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	511.26	ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857	
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous	

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 476.07 ft MRP Depth to Water (DTW): 477.68 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 483.30 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW038-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-038-224		

Reviewed By: _____ Initials: EP Review Date: 10/14/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/14/2022

Purge Start Time: 08:15 Purge Rate: 760 mL/min X 0.000265 0.2014 gal/min

Description of first water purged: Colorless and odorless

Drawdown Limit: 5.19 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
08:20	477.66	0.25	13.3	91.1	9.48	5.9	7.19	126.6
08:25	477.66	1.02	14.2	82.6	8.44	438.8	7.77	174.3
08:30	477.66	1.09	15	70.9	7.11	496.7	7.97	153
08:35	477.66	3.93	15.3	63.4	6.3	524.5	8.02	142.7
08:40	477.66	0.35	15.7	58.6	5.83	542.4	8.03	136.2
08:45	477.66	3.15	16	55.6	5.45	558.4	8.03	132.5

Sample Time: 08:50 Sample Date: 10/14/2022

Purge End Time: 09:01

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Friday, October 14, 2022 09:02 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	16.7644	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/14/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106039
Project No: 6360401
Samplers: S. Miles and L. Beasley
Date: 10/14/2022

Well Information

Well was	Clean	Well Depth:	531.43 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	511.43 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	526.43 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 475.91 ft MRP Depth to Water (DTW): 477.43 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B~~473~~ 743

Non-Dedicated Pump Depth 513.50 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW039-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-039-224		

Reviewed By: _____ Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/14/2022

Purge Start Time: 12:02 Purge Rate: 600 mL/min X 0.000265 0.159 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 35.52 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:10	477.44	0.45	22.5	80.8	7.08	18.8	8.6	80
12:15	477.44	2.46	22.5	50.1	4.26	865	7.77	148.5
12:20	477.44	1.62	22.2	35.7	3.11	873	7.87	143.2
12:25	477.44	1.75	22	32.5	2.84	864	7.88	140.6
12:30	477.44	1.43	22	31.2	2.73	874	7.88	139.4

Sample Time: 12:35 Sample Date: 10/14/2022

Purge End Time: 12:41

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Friday, October 14, 2022 13:14 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.701	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106040
Project No: 6360401 **Samplers:** S. Miles and L. Beasley
Date: 10/14/2022

Well Information

Well was Clean
SCREEN SUBMERGED on 07/06/2022 **(previous gauging date)**
Barricade/Notification: N/A
Measurement Reference Point (MRP): TOPC
IDW will be taken to: GWTS/Pending Disposal Area

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 Label: Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 474.82 ft MRP Depth to Water (DTW): 476.41 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 535.60 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW040-224 Sampling Method: Low-flow
Duplicate ID (if applicable): Sampling Medium: Water
COC#: COC-040-224

Reviewed By: Initials: EP Review Date: 10/19/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

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

Purge Information and Field Parameter

Date: 10/14/2022

Purge Start Time: 10:20 Purge Rate: 720 mL/min X 0.000265 0.1908 gal/min

Description of first water purged: Clear and odorless – EP 10/14/22

Drawdown Limit: 58.79 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
10:25	476.4	0.33	18.2	83	7.74	4.9	7.95	84.2
10:30	476.4	0.99	19.1	84.2	7.72	321.1	7.96	135.9
10:35	476.4	1.01	19.5	75.5	7.03	324.2	8.01	134.9
10:40	476.4	0.65	19.7	70.1	6.4	324.5	8.02	134.3

Sample Time: 10:41 Sample Date: 10/14/2022

Purge End Time: 10:46

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Friday, October 14, 2022 11:02 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.4608	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/14/22

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW041-224

Well Information

Screen Interval Length (ft):	**20**			Well Depth:	473.80 ft MRP
Previous Depth to Water (MRP):	**448.88**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	449.00 ft MRP
Length of Screen not submerged (ft):	**-0.12**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	469.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 09:33

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Intermediate - Solinst 500 ft - 350334 WH0566

PID Reading: 0 **ppm**

Depth to Water: 450.66

DMS Tether and Reel ID match Well ID? SM

Notes:

Team 1: S. Lauricella
Wednesday, August 31, 2022 09:33 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**449.7**
	2	**452.29**
✓	**3**	**454.88**
✓	**4**	**457.47**
✓	**5**	**460.06**
	6	**462.65**
	7	**465.24**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW041-224

Date Sampled: 10/04/2022 **Time Sampled:** 08:56 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** EP

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓	✓					
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW041-224
Duplicate ID:
COC#: COC-041-224

Reveiwed By: A. Brandon **Reviewed Date:** 10/4/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW042-224

Well Information					
Screen Interval Length (ft):	**14.5**			Well Depth:	488.50 ft MRP
Previous Depth to Water (MRP):	**448.63**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	469.00 ft MRP
Length of Screen not submerged (ft):	**-20.37**			Bottom of Screen:	483.50 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 12:38

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	469.7
✓	2	472.28
✓	3	474.86
	4	477.44
	5	480.02

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiss **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

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

Year: 2022
Quarter: 4
Sample ID: GW042-224

Date Sampled: 10/04/2022 **Time Sampled:** 10:43 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** EP

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions	✓	✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW042-224
Duplicate ID:
COC#: COC-042-224

Reveiwed By: A. Brandon **Reviewed Date:** 10/4/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106043 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW043-224

Well Information					
Screen Interval Length (ft):	**14.5**			Well Depth:	562.50 ft MRP
Previous Depth to Water (MRP):	**448.88**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	543.00 ft MRP
Length of Screen not submerged (ft):	**-94.12**			Bottom of Screen:	557.50 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 09:29

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

Team 1: S. Lauricella
Wednesday, August 31, 2022 09:29 AM

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	543.7
✓	2	546.27
✓	3	548.84
	4	551.41
	5	553.98

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Rios **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106043 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW043-224

Date Sampled: 10/04/2022 **Time Sampled:** 09:40 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** EP

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions	✓	✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW043-224
Duplicate ID:
COC#: COC-043-224

Reveiwed By: A. Brandon **Reviewed Date:** 10/4/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project:	Kirtland AFB BFF ST-106/SS-111	Well ID:	KAFB-106044
Project No:	6360401	Samplers:	K. Copeland, ~~2~~ M. Al Khazraji EP 10/31
Date:	10/24/2022		

Well Information

Well was	Clean	Well Depth:	527.04 ft MRP
SCREEN SUBMERGED on	07/05/2022 (previous gauging date)	Top of Screen:	507.34 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	522.34 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ____ ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 471.9 ft MRP Depth to Water (DTW): 472.62 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW044-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW044-624	Sampling Medium:	Water
COC#:	COC-044-224		

Reviewed By: [signature] Initials: EP Review Date: 10/31/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106044

Purge Information and Field Parameter

Date: 10/24/2022

Purge Start Time: 10:38 Purge Rate: 700 mL/min X 0.000265 0.1855 gal/min

Description of first water purged: Odorless clear

Drawdown Limit: 35.44 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
10:40	472.62	0.29	17.1	72.6	7.06	283	8.06	145.7
10:45	472.63	0.17	17	69.8	6.66	282.7	8.01	142.2
10:50	472.63	0.26	17.2	68.2	6.54	282.5	7.97	141.8
10:55	472.63	3.28	17.1	62.7	6	283	7.96	141.9

Sample Time: 11:00 Sample Date: 10/24/2022

Purge End Time: 11:20

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: MA Sampler Signature: MA Monday, October 24, 2022 16:02 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	7.791	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/31/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106045**
Project No:	**6360401**	**Samplers:**	**D. Schmeelk S. Talley**
Date:	**10/07/2022**		

Well Information

Well was	Clean	Well Depth:	551.42 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	531.72 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	546.72 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 471.61 ft MRP Depth to Water (DTW): 472.76 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 533.70 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW045-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-045-224		

Reviewed By: _____ Initials: EP Review Date: 10/7/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106045

Purge Information and Field Parameter

Date: 10/07/2022

Purge Start Time: 09:57 Purge Rate: 700 mL/min X 0.000265 0.1855 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 60.11 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
10:00	472.77	0.11	17.1	78.9	7.54	0.6	7.08	136.8
10:05	472.77	0.11	17.2	99.8	9.87	0.6	5.73	157.9
10:10	472.77	0.16	17.6	59.4	5.5	218.1	7.83	174.6
10:15	472.77	0.35	18	33.8	3.19	220	8.06	157.6
10:20	472.77	0.28	18.3	29.3	2.75	220.1	8.09	150.2
10:25	472.77	0.23	18.5	27.8	2.6	220.1	8.1	145.2
10:30	472.77	0.13	18.6	26.9	2.52	220	8.11	141.3

Sample Time: 10:33 Sample Date: 10/07/2022

Purge End Time: 10:42

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S.Talley Sampler Signature: S.Talley Friday, October 07, 2022 10:15 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.8475	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/7/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106046

Project No: 6360401 **Samplers:** S. Miles and L. Beasley

Date: 10/11/2022

Well Information

Well was	Clean	Well Depth:	515 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	490 ft MRP
Barricade/Notification:	EA Barricade (Air National Guard)	Bottom of Screen:	510 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 476.8 ft MRP Depth to Water (DTW): 478.08 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth ~~492.00~~ 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW046-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-046-224		

Reviewed By: Initials: EP Review Date: 10/11/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106046

Purge Information and Field Parameter

Date: 10/11/2022

Purge Start Time: 10:14 Purge Rate: 900 mL/min X 0.000265 0.2385 gal/min

Description of first water purged: Clear with slight sulfur odor

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

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
10:20	478.08	1	19.4	5.9	0.54	370.1	7.63	59.3
10:25	478.08	6.06	19.3	5.7	0.53	371.7	7.63	46.4
10:30	478.08	0.99	19.3	5.9	0.55	373.1	7.61	37.9
10:35	478.08	0.73	19.2	6.5	0.6	373.2	7.6	34.8

Sample Time: 10:37 Sample Date: 10/11/2022

Purge End Time: 10:40

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Tuesday, October 11, 2022 11:04 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	6.301	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/11/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106047

Project No: 6360401 **Samplers:** S. Miles and L. Beasley

Date: 10/11/2022

Well Information

Well was	Clean	Well Depth:	532 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	512 ft MRP
Barricade/Notification:	EA Barricade (Air National Guard)	Bottom of Screen:	527 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 476.86 ft MRP Depth to Water (DTW): 478.14 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth ~~514.00~~ 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW047-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-047-224		

Reviewed By: Initials: EP Review Date: 10/11/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106047

Purge Information and Field Parameter

Date: 10/11/2022

Purge Start Time: 11:33 Purge Rate: 460 mL/min X 0.000265 0.1219 gal/min

Description of first water purged: Clear and no odor

Drawdown Limit: 35.14 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
11:40	478.14	1.16	20.2	69.6	6.38	271.4	8.07	147.3
11:45	478.14	0.84	19.9	69.5	6.24	271.2	7.88	152.3
11:50	478.14	0.52	19.9	70.6	6.36	271.7	7.75	155.8
11:54	478.14	0.51	19.8	66.1	6.08	271.4	7.66	158.8

Sample Time: 11:56 Sample Date: 10/11/2022

Purge End Time: 12:00

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Tuesday, October 11, 2022 12:22 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	3.3913	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/11/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106048

Project No: 6360401 **Samplers:** S. Miles and L. Beasley

Date: 10/11/2022

Well Information

Well was: Clean

SCREEN SUBMERGED on 07/06/2022 **(previous gauging date)**

Barricade/Notification: EA Barricade (Air National Guard)

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 555.5 ft MRP

Top of Screen: 535.5 ft MRP

Bottom of Screen: 550.5 ft MRP

Reference Elevation Interval: 4814

IDW Label: Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 476.59 ft MRP Depth to Water (DTW): 477.91 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 537.50 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW048-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-048-224

Reviewed By: Initials: EP Review Date: 10/11/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106048

Purge Information and Field Parameter

Date: 10/11/2022

Purge Start Time: 08:20 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Colorless, odorless

Drawdown Limit: 58.91 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
08:25	477.91	1.69	15	79.8	7.86	199.2	7.35	218.9
08:30	477.91	2.65	16.3	60.5	5.93	237.2	7.95	193
08:35	477.91	0.96	16.6	61.7	6	236.9	8.02	175.5
08:40	477.91	0.98	17	66.2	6.53	238.2	8.03	166.8

Sample Time: 08:43 Sample Date: 10/11/2022

Purge End Time: 08:49

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: SM Sampler Signature: S. Mihas Tuesday, October 11, 2022 09:21 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.648	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106049 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW049-224

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	480.70 ft MRP
Previous Depth to Water (MRP):	**440.27**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	456.80 ft MRP
Length of Screen not submerged (ft):	**-16.53**			Bottom of Screen:	476.80 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 09:58

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	457.5
✓	2	460.09
✓	3	462.68
	4	465.27
	5	467.86
	6	470.45
	7	473.04

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106049** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW049-224

Date Sampled: 10/10/2022 **Time Sampled:** 13:20 **Sampling Team:** D. Schmeelk S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓	✓					
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW049-224
Duplicate ID:
COC#: COC-049-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106050 *Deployment*

Year: 2022
Quarter: 4
Sample ID: GW050-224

Well Information					
Screen Interval Length (ft):	15			Well Depth:	494.80 ft MRP
Previous Depth to Water (MRP):	439.66	(Gauged on 07/07/2022)	LNAPL NOT detected during prior gauging	Top of Screen:	474.40 ft MRP
Length of Screen not submerged (ft):	-34.74			Bottom of Screen:	489.40 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 Time Deployed: 09:55

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 ppm

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	475.1
✓	2	477.68
✓	3	480.26
	4	482.84
✓	5	485.42

10/10 EP
10/10 EP

- Duplicate samplers deployed by accident, now has a field duplicate
EP 10/10/22

✓ Indicates sampler deployment position
Dotted line indicates current water level
Depths highlighted gray represent sampler positions submerged based on previous water level

Tam T. S. LAURICELLA
Tuesday, August 30, 2022 09:58 AM

Reveiwed By: Reviewed Date: 10/10/22

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106050 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW050-224

Date Sampled: 10/10/2022 Time Sampled: 12:40 Sampling Team: D.Schmeelk, S. Talley

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) St

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓	
VOCs	✓						✓	
BTEX								
BTEXN								
Metals (Dissolved)		✓					✓	
Metals (Total)			✓				✓	
Alkalinity				✓			✓	
Anions	✓						✓	
Nitrate / Nitrite			✓	✓			✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes: Took duplicate on well 50 instead of well 51 due to passive sampler volumes

Sample ID: GW050-224
Duplicate ID: GW050-624 EP 10/11/22
COC#: COC-050-224

Reveiwed By: [signature]

Reviewed Date: 10/11/22

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106051 *Deployment*

Year: 2022
Quarter: 4
Sample ID: GW051-624

Well Information					
Screen Interval Length (ft):	15			Well Depth:	521.20 ft MRP
Previous Depth to Water (MRP):	439.98	(Gauged on 07/07/2022)	LNAPL NOT detected during prior gauging	Top of Screen:	500.80 ft MRP
Length of Screen not submerged (ft):	-60.82			Bottom of Screen:	515.80 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 Time Deployed: 10:15

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 ppm

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

Team 1, S. Lauricella
Tuesday, August 30, 2022 10:17 AM

QC Sample notes (if blank, no QC samples required):	Analyte(s):
~~Duplicate sample required; please deploy extra samplers~~ EP 10/10/2022 Samplers deployed on 10605c due to Field error -EP 10/10/22	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	501.5
✓	2	504.07
✓	3	506.64
✓	4	509.21
✓	5	511.78

EP 10/10/22

✓ Indicates sampler deployment position
Dotted line indicates current water level
Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: [signature] Reviewed Date: 10/10/22

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106051** *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW051-224

Date Sampled: 10/10/2022 Time Sampled: 11:35 Sampling Team: D. Schmeelk, S. Talley

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)		✓						
Metals (Total)			✓					
Alkalinity		✓	✓					
Anions	✓							
Nitrate / Nitrite		✓	✓					

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes: No duplicate taken. Not enough sample available.

Sample ID: GW051-224
Duplicate ID: ~~GW051-624~~ EP 10/11/2022
COC#: COC-051-224
- Duplicate taken from KAFB-106050 instead

Reveiwed By: [signature]

Reviewed Date: 10/11/2022 EP 10/11/22

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106052 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW052-224

Well Information

Screen Interval Length (ft):	**30**			Well Depth:	484.80 ft MRP
Previous Depth to Water (MRP):	**443.25**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	449.60 ft MRP
Length of Screen not submerged (ft):	**-6.35**			Bottom of Screen:	479.60 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 12:07

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	450.3
✓	2	452.89
✓	3	455.48
	4	458.07
	5	460.66
	6	463.25
	7	465.84
	8	468.43
	9	471.02
	10	473.61

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Reyes **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106052** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW052-224

Date Sampled: 10/07/2022 **Time Sampled:** 10:57 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW052-224
Duplicate ID:
COC#: COC-052-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/7/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106053 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW053-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	498.40 ft MRP
Previous Depth to Water (MRP):	**443.17**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	478.40 ft MRP
Length of Screen not submerged (ft):	**-35.23**			Bottom of Screen:	493.40 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 11:35

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	479.1
✓	2	481.68
✓	3	484.26
	4	486.84
	5	489.42

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiss **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106053** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW053-224

Date Sampled: 10/07/2022 **Time Sampled:** 10:34 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW053-224
Duplicate ID:
COC#: COC-053-224

Reveiwed By: Eddie Hess **Reviewed Date:** 10/7/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106054 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW054-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	524.00 ft MRP
Previous Depth to Water (MRP):	**442.76**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	504.00 ft MRP
Length of Screen not submerged (ft):	**-61.24**			Bottom of Screen:	519.00 ft MRP

Deployment Team: S. Miles, S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 11:40

PID: MiniRAE 3000 - 592-915790 WH0004

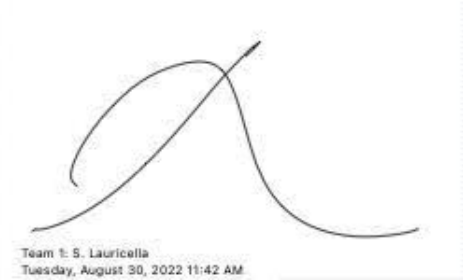
Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**504.7**
✓	**2**	**507.29**
✓	**3**	**509.88**
	4	**512.47**
	5	**515.06**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106054 ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW054-224

Date Sampled: 10/07/2022 **Time Sampled:** 11:24 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW054-224
Duplicate ID:
COC#: COC-054-224

Reveiwed By: Eddie Kiess **Reviewed Date:** 10/7/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106055 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW055-224

Well Information

				Well Depth:	490.30 ft MRP
Screen Interval Length (ft):	**20**			Top of Screen:	465.80 ft MRP
Previous Depth to Water (MRP):	**449.72**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Bottom of Screen:	485.80 ft MRP
Length of Screen not submerged (ft):	**-16.08**				

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 12:00

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	466.5
✓	2	469.08
✓	3	471.66
	4	474.24
	5	476.82
	6	479.4
	7	481.98

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: [signature]

Reviewed Date: 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106055 ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW055-224

Date Sampled: 10/06/2022 **Time Sampled:** 09:21 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW055-224
Duplicate ID:
COC#: COC-055-224

Reveiwed By: [signature]

Reviewed Date: 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106057 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW057-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	505.30 ft MRP
Previous Depth to Water (MRP):	**450.09**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	484.90 ft MRP
Length of Screen not submerged (ft):	**-34.81**			Bottom of Screen:	499.90 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 11:53

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes: Sampler left in well from last quarter was deployed in top position.

DS
Thursday, September 01, 2022 11:47 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**485.6**
✓	**2**	**488.18**
✓	**3**	**490.76**
	4	**493.34**
	5	**495.92**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kirsch **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106057** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW057-224

Date Sampled: 10/06/2022 **Time Sampled:** 08:37 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW057-224
Duplicate ID:
COC#: COC-057-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106058 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW058-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	530.30 ft MRP
Previous Depth to Water (MRP):	**450.64**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	511.80 ft MRP
Length of Screen not submerged (ft):	**-61.16**			Bottom of Screen:	526.80 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 11:30

PID: MiniRAE 3000 - 592-915579 WH0006

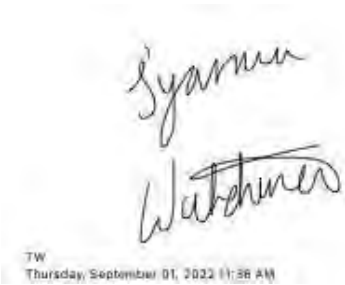
Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes:



QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	512.5
✓	2	515.07
✓	3	517.64
	4	520.21
	5	522.78

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106058** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW058-224

Date Sampled: 10/06/2022 **Time Sampled:** 09:53 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW058-224
Duplicate ID:
COC#: COC-058-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/6/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106059

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/19/2022

Well Information

Well was	Hazardous	Well Depth:	511.46 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	486.46 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	506.46 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 7 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 471.46 ft MRP Depth to Water (DTW): 472.94 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 488.50 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW059-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-059-224		

Reviewed By: Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106059

Purge Information and Field Parameter

Date: 10/19/2022

Purge Start Time: 12:05 Purge Rate: 660 mL/min X 0.000265 0.1749 gal/min

Description of first water purged: Clear with slight hydrocarbon odor

Drawdown Limit: 15.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	——	**if > 10, ±10%**	**±10%**	——	**±10%**	**±10%**	**±0.5**	——
12:10	472.8	3.62	18.7	72	6.72	328.2	8.6	110.6
12:15	472.8	2.13	18.9	70.7	6.5	469.8	7.48	-48.2
12:20	472.8	4.21	19	53.4	4.93	470.4	7.51	-62
12:25	472.8	3.15	19	39.7	3.65	476.6	7.49	-87
12:30	472.83	2.12	19	18	1.64	466.6	7.48	-70.6
12:35	472.83	2.33	19.1	14.3	1.32	477.3	7.49	-72.5
12:40	472.83	2.11	19.1	12.1	1.12	475.4	7.6	-73.4
12:45	472.83	2.58	19.1	8.4	0.78	472	7.5	-74.4
12:50	472.83	1.35	19.1	7	0.56	474.5	7.5	-75.1
12:55	472.83	19.1	19.2	5.9	0.56	470.9	7.51	-76.7
13:00	472.83	2.5	19.2	3.2	0.3	476.5	7.51	-76.7
13:05	472.83	1.65	19.1	2.7	0.26	475	7.52	-76.9
13:10	472.83	2.4	19.1	2.5	0.23	474.7	7.52	-76.8

Sample Time: 13:11 Sample Date: 10/19/2022

Purge End Time: 13:16

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Wednesday, October 19, 2022 14:27 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	17.4179	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: Used engineering controls to mitigate exposure to VOC fumes* -Per Field Team

Reviewed By: Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106060

Project No: 6360401 **Samplers:** D. Schmeelk, S. Talley

Date: 10/14/2022

Well Information

Well was	Clean	Well Depth:	523 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	503 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	518 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 468.87 ft MRP Depth to Water (DTW): 470.13 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth 0.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW060-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-060-224		

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106060

Purge Information and Field Parameter

Date: 10/14/2022

Purge Start Time: 12:12 Purge Rate: 600 mL/min X 0.000265 0.159 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 34.13 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:15	470.13	4.18	19.4	72.7	6.68	379.2	7.58	245.5
12:20	470.13	3.81	19.1	69.7	6.52	379.8	7.62	245.1
12:25	470.13	4.19	19.3	59.4	5.38	379.8	7.6	247.5
12:30	470.13	2.33	19.8	63.6	5.77	380.1	7.6	250
12:35	470.13	1.95	20.1	61	5.54	380.1	7.6	254.3

Sample Time: 12:40 Sample Date: 10/14/2022

Purge End Time: 12:48

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: DS Sampler Signature: S. Talley Friday, October 14, 2022 12:52 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	5.724	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106061**
Project No:	**6360401**	**Samplers:**	**D. Schmeelk S. Talley**
Date:	**10/07/2022**		

Well Information

Well was	Clean	Well Depth:	593.2 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	573.2 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	588.2 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 468.9 ft MRP Depth to Water (DTW): 470.35 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW061-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-061-224		

Reviewed By: _____ Initials: EP Review Date: 10/7/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106061

Purge Information and Field Parameter

Date: 10/07/2022

Purge Start Time: 11:48 Purge Rate: 860 mL/min X 0.000265 0.2279 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 104.30 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
11:50	470.36	0.16	18.5	84.1	7.91	0.6	7.14	150.8
11:55	470.35	0.15	18.4	89.7	8.56	0.5	4.97	195.3
12:00	470.35	2.12	18.8	76.6	7.04	220.5	7.79	198
12:05	470.35	2.04	18.9	46.4	4.15	222.2	7.95	180.5
12:10	470.35	1.46	19	30.8	2.84	223	7.89	172.3
12:15	470.35	1.15	19	25.3	2.33	223.4	7.99	166.8
12:20	470.34	0.87	19.1	24.4	2.24	223.7	7.99	162.4
12:25	470.34	0.7	19.2	23.4	2.16	223.8	7.99	159.8

Sample Time: 12:29 Sample Date: 10/07/2022

Purge End Time: 12:37

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S.Talley Sampler Signature: S. Talley Friday, October 07, 2022 12:49 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	18.6671	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/7/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106062**
Project No:	**6360401**	**Samplers:**	**M. Al Khazraji, N. Potter**
Date:	**10/25/2022**		

Well Information

Well was	Clean	Well Depth:	597.97 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	578.27 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	593.27 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 475.08 ft MRP Depth to Water (DTW): 476.31 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW062-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-062-224		

Reviewed By: [signature] Initials: EP Review Date: 10/25/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106062

Purge Information and Field Parameter

Date: 10/25/2022

Purge Start Time: 09:19 Purge Rate: 820 mL/min X 0.000265 0.2173 gal/min

Description of first water purged: Clear odorless

Drawdown Limit: 103.19 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
09:25	476.31	1.73	16.9	78.8	7.61	235.3	8.02	145
09:30	476.31	0.37	16.9	71.6	6.89	236.3	8.04	123.08
09:35	476.31	0.41	17	74	7.14	235.7	8	121.3
09:40	476.31	0.26	16.7	68.1	6.49	236.2	7.97	118.8
09:45	476.31	0.24	16.8	73.9	7.12	235.2	7.92	117.6

Sample Time: 09:50 Sample Date: 10/25/2022

Purge End Time: 10:05

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: Nick Potter Sampler Signature: M. Al Khazraji Tuesday, October 25, 2022 10:11 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	9.9958	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/25/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project:	Kirtland AFB BFF ST-106/SS-111	**Well ID:**	KAFB-106063
Project No:	6360401	**Samplers:**	S. Miles and C. Ford
Date:	10/25/2022		

Well Information

Well was	Hazardous	Well Depth:	528.13 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	508.13 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	523.13 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4838
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 475.75 ft MRP Depth to Water (DTW): 477.04 ft MRP

Pump Information

Dedicated Bladder Pump

Bennett Pump Serial No: NA - Dedicated Pump* (Bladder pump)

Non-Dedicated Pump Depth ~~510.00~~ 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW063-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-063-224		

Reviewed By: _____ Initials: EP Review Date: 10/26/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106063

Purge Information and Field Parameter

Date: 10/25/2022

Purge Start Time: 10:25 Purge Rate: 210 mL/min X 0.000265 0.05565 gal/min

Description of first water purged: Clear and no odor

Drawdown Limit: 32.38 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
10:40	477.01	0.85	17.1	50	4.74	782	7.1	196.6
10:45	477.01	1.45	17	40.4	3.84	792	7.08	136.6
10:50	477.01	0.92	17.1	26.5	2.58	822	7.08	76.4
10:55	477.01	0.94	17.2	23	2.19	843	7.08	49.5
11:00	477.01	1.07	17.4	19.1	1.79	860	7.1	22.6
11:05	477.01	1.6	17.3	14.1	1.32	868	7.11	-2.7
11:10	477.01	2.57	17.3	12	1.17	872	7.12	-22.4
11:15	477.01	2.38	17.5	10.2	1	874	7.13	-45.9
11:20	477.01	6.02	17.4	10.1	0.97	873	7.1	-60.3
11:25	477.01	3.33	17.6	9.6	0.91	874	7.09	-74.3
11:30	477.01	3.31	17.6	9	0.86	874	7.09	-67.3 EP 10/26 Per field team

Sample Time: 11:31 Sample Date: 10/25/2022

Purge End Time: 11:38

Bubbles in the vials?: No Where? _____ Amount: _____ Size: _____

Sampled by: S. Miles Sampler Signature: S. Miles Tuesday, October 25, 2022 12:09 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	4.16245	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: _____

Reviewed By: _____ Initials: EP Review Date: 10/26/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106064

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/25/2022

Well Information

Well was	Hazardous	Well Depth:	513.06 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	488.06 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	508.06 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 474.96 ft MRP Depth to Water (DTW): 476.23 ft MRP

Pump Information

Dedicated Bladder Pump

Bennett Pump Serial No: NA

Non-Dedicated Pump Depth 0.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW064-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-064-224		

Reviewed By: Initials: EP Review Date: 10/25/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106064

Purge Information and Field Parameter

Date: 10/25/2022

Purge Start Time: 12:18 Purge Rate: 230 mL/min X 0.000265 0.06095 gal/min

Description of first water purged: Clear with weak hydrocarbon odor

Drawdown Limit: 13.10 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:25	476.23	3.31	17.5	9.2	0.96	959	6.9	-130.6
12:30	476.23	2.45	17.6	6.1	0.69	962	6.92	-146.6
12:35	476.23	1.8	17.6	4.5	0.42	998	6.94	-158.7
12:40	476.23	1.99	17.5	3.9	0.35	1038	6.96	-166.8
12:45	476.23	6.29	17.7	3.3	0.31	1074	6.98	-173.3
12:50	476.23	5.72	17.7	3	0.29	1092	6.98	-176.8
12:55	476.23	4.05	17.5	3.4	0.3	1102	6.98	-179.6

Sample Time: 13:00 Sample Date: 10/25/2022

Purge End Time: 13:09

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Tuesday, October 25, 2022 13:21 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	3.20845	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/25/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106065

Project No: 6360401 **Samplers:** D.Schmeelk + K.Copeland

Date: 10/21/2022

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 07/07/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TWV

IDW will be taken to: Pending Analysis Yard

Well Depth: 528 ft MRP

Top of Screen: 508 ft MRP

Bottom of Screen: 523 ft MRP

Reference Elevation Interval: 4838

IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/7/2022

Previous Depth to water: 473.01 ft MRP Depth to Water (DTW): 473.94 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: NA

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW065-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-065-224

Reviewed By: Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106065

Purge Information and Field Parameter

Date: 10/21/2022

Purge Start Time: 13:41 Purge Rate: 960 mL/min X 0.000265 0.2544 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 34.99 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
13:45	473.95	0.67	15.5	69.7	6.91	400.9	7.26	123.7
13:50	473.95	0.58	16.2	63	6.13	399.8	7.19	125.9
13:55	473.95	1.54	16.6	62.6	6.15	398	7.21	125.7
14:00	473.95	2.66	17	42.2	3.9	395.3	7.22	14.7
14:05	473.92	3.81	17.2	6.7	0.62	428	7.19	-26.8
14:10	473.92	1.88	17.2	5.4	0.58	429.6	7.19	-28.8
14:15	473.92	1.54	17.3	5.4	0.53	427.5	7.19	-35.1

Sample Time: 14:15 Sample Date: 10/21/2022

Purge End Time: 14:30

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: KC Sampler Signature: Team 2: K. Copeland Friday, October 21, 2022 14:32 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.4656	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106066

Project No: 6360401 **Samplers:** D.Schmeelk + K.Copeland

Date: 10/18/2022

Well Information

Well was: Clean

SCREEN SUBMERGED on 07/07/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 595.8 ft MRP

Top of Screen: 575.6 ft MRP

Bottom of Screen: 590.6 ft MRP

Reference Elevation Interval: 4814

IDW Label: Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/7/2022

Previous Depth to water: 473.17 ft MRP Depth to Water (DTW): 474.47 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW066-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-066-224

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106066

Purge Information and Field Parameter

Date: 10/18/2022

Purge Start Time: 11:52 Purge Rate: 760 mL/min X 0.000265 0.2014 gal/min

Description of first water purged: Clear

Drawdown Limit: 102.43 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:00	474.47	0.14	15.3	74	7.45	238.9	7.46	154.7
12:05	474.47	0.39	15.6	73.2	7.28	239.5	7.47	151.2
12:10	474.47	0.17	16	70.5	6.97	239.7	7.47	149.3
12:15	474.47	0.2	16.3	67.1	6.62	239.7	7.53	148.5

Sample Time: 12:15 Sample Date: 10/18/2022

Purge End Time: 12:27

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: DS Sampler Signature: DS Tuesday, October 18, 2022 13:00 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	7.049	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: Well needs to be pulled soon. Got water out of the air exhaust, and it took about 110 psi to keep the pump going.

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106067**
Project No:	**6360401**	**Samplers:**	**S. Miles and C. Ford**
Date:	**10/21/2022**		

Well Information

Well was	Hazardous	Well Depth:	510 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	485 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	505 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 471.69 ft MRP Depth to Water (DTW): 473.1 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 487.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW067-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-067-224		

Reviewed By: _____ Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106067

Purge Information and Field Parameter

Date: 10/21/2022

Purge Start Time: 13:26 Purge Rate: 780 mL/min X 0.000265 0.2067 gal/min

Description of first water purged: Clear with slight hydrocarbon odor

Drawdown Limit: 13.31 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
13:30	473.1	6.17	19.7	98.8	8.67	506.3	7.05	45.4
13:35	473.1	3.87	19.7	46.9	4.23	571	7.1	-63.6
13:40	473.1	6.35	19.6	31.8	2.86	572	7.12	-82.4
13:45	473.1	3.32	19.7	19.9	1.81	576	7.13	-91.7
13:50	473.1	2.98	19.5	16	1.44	575	7.13	-99.4
13:55	473.1	3.03	19.6	13.1	1.19	576	7.13	-104.7
14:00	473.11	3.02	19.6	13.4	1.21	576	7.12	-109.1
14:05	473.11	2.2	19.6	8.7	0.8	576	7.13	-112
14:10	473.11	2.13	19.4	7.2	0.66	580	7.14	-113.8
14:15	473.11	2.02	19.5	6.4	0.57	591	7.14	-114.7
14:20	473.11	1.93	19.5	6.1	0.47	581	7.14	-116.4
14:25	473.11	1.75	19.6	4.9	0.45	578	7.14	-117.8
14:30	473.11	27.4	19.5	4.9	0.45	577	7.15	-118.9

Sample Time: 14:33 Sample Date: 10/21/2022

Purge End Time: 14:39

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Friday, October 21, 2022 14:46 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	20.0891	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10/24/2022
Well ID: KAFB-106068
Samplers: K. Copeland, ~~Team2~~ M. Al Khezaj
EP 10/31/22

Well Information

Well was	Clean	Well Depth:	600 ft MRP
SCREEN SUBMERGED on	07/06/2022 **(previous gauging date)**	Top of Screen:	580 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	595 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 471.69 ft MRP Depth to Water (DTW): 472.84 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW068-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-068-224		

Reviewed By: Eddes Initials: EP Review Date: 10/31/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106068

Purge Information and Field Parameter

Date: 10/24/2022

Purge Start Time: 08:50 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Clear odorless

Drawdown Limit: 108.31 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
08:55	472.84	0.24	17.7	77.3	7.38	237.1	7.72	183.5
09:00	472.85	1.45	17.5	71.2	6.8	238.1	7.73	134
09:05	472.85	1.62	17.7	70.3	6.7	238.1	7.73	133
09:10	472.85	1.7	17.8	70.8	6.72	238.2	7.77	131.5

Sample Time: 09:13 Sample Date: 10/24/2022

Purge End Time: 09:23

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: MA Sampler Signature: MA Monday, October 24, 2022 16:09 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	6.996	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/31/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106069

Project No: 6360401 **Samplers:** D.Schmeelk + K.Copeland

Date: 10/19/2022

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 07/06/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TWV

IDW will be taken to: Pending Analysis Yard

Well Depth: 526 ft MRP

Top of Screen: 506 ft MRP

Bottom of Screen: 521 ft MRP

Reference Elevation Interval: 4838

IDW Label: White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 471.43 ft MRP Depth to Water (DTW): 473.07 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-752

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW069-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-069-224

Reviewed By: Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106069

Purge Information and Field Parameter

Date: 10/19/2022

Purge Start Time: 12:50 Purge Rate: 920 mL/min X 0.000265 0.2438 gal/min

Description of first water purged: Clear, light sulfur odor

Drawdown Limit: 34.57 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:50	473.18	1.42	16.7	84.6	8.35	441.3	8.18	26.1
12:55	473.18	1.09	17.8	93.4	9.75	516.7	7.98	3.8
13:00	473.18	0.4	18.4	10.2	0.95	545.1	7.88	-56.4
13:05	473.18	0.35	18.4	5.8	0.55	546.1	7.87	-90.2
13:10	473.18	0.42	18.4	3.9	0.36	547	7.86	-109.4
13:15	473.18	0.39	18.4	3.1	0.3	547.5	7.84	-124.83
13:20	473.18	0.37	18.5	2.9	0.27	547.2	7.83	-131.1
13:25	473.18	0.38	18.5	2.7	0.26	546.8	7.83	-136.2
13:30	473.18	0.31	18.5	2.5	0.25	546.3	7.83	-139.6

Sample Time: 13:31 Sample Date: 10/19/2022

Purge End Time: 13:38

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D.Schmeelk Sampler Signature:

DS
Wednesday, October 19, 2022 14:08 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	16.7024	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/19/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106070 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW070-224

Well Information

Screen Interval Length (ft):	**20**			Well Depth:	485.00 ft MRP
Previous Depth to Water (MRP):	**443.37**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	460.00 ft MRP
Length of Screen not submerged (ft):	**-16.63**			Bottom of Screen:	480.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 11:45

PID: MiniRAE 3000 - 592-915790 WH0004

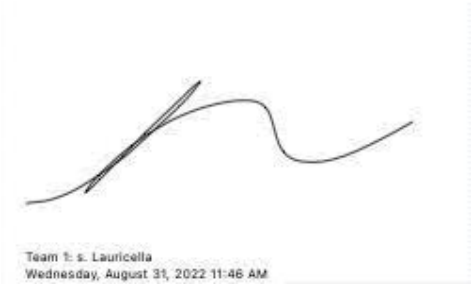
Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:



QC Sample notes (if blank, no QC samples required):	Analyte(s):
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	460.7
✓	2	463.29
✓	3	465.88
✓	4	468.47
✓	5	471.06
	6	473.65
	7	476.24

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106070** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW070-224

Date Sampled: 10/12/2022 **Time Sampled:** 10:01 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep)							
	1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓	
VOCs	✓						✓	
BTEX								
BTEXN								
Metals (Dissolved)		✓					✓	
Metals (Total)			✓				✓	
Alkalinity				✓			✓	
Anions		✓	✓				✓	
Nitrate / Nitrite	✓	✓					✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW070-224
Duplicate ID: GW070-624
COC#: COC-070-224

Reveiwed By: Eddie Kress

Reviewed Date: 10/13/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106071 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW071-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth: 568.00	ft MRP
Previous Depth to Water (MRP):	**445.62**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 548.00	ft MRP
Length of Screen not submerged (ft):	**-102.38**			Bottom of Screen: 563.00	ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 12:10

PID: MiniRAE 3000 - 592-915790 WH0004

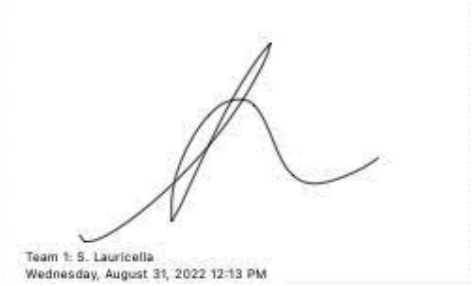
Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**548.7**
✓	**2**	**551.29**
✓	**3**	**553.88**
	4	**556.47**
	5	**559.06**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiss **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106071** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW071-224

Date Sampled: 10/12/2022 **Time Sampled:** 10:30 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions	✓							
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW071-224
Duplicate ID:
COC#: COC-071-224

Reveiwed By: Eddie Hess **Reviewed Date:** 10/13/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106072 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW072-224

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	500.00 ft MRP
Previous Depth to Water (MRP):	**443.89**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	475.00 ft MRP
Length of Screen not submerged (ft):	**-31.11**			Bottom of Screen:	495.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 11:47

PID: MiniRAE 3000 - 592-915790 WH0004

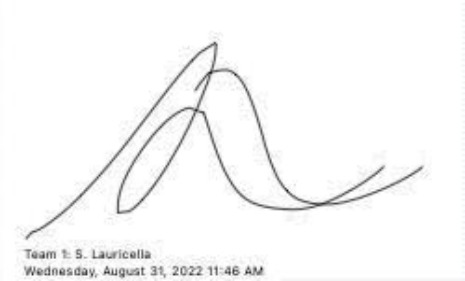
Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:



QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	475.7
✓	2	478.27
✓	3	480.84
	4	483.41
	5	485.98
	6	488.55
	7	491.12

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106072** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW072-224

Date Sampled: 10/12/2022 **Time Sampled:** 09:22 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite	✓	✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW072-224
Duplicate ID:
COC#: COC-072-224

Reveiwed By: Eddie Kiess **Reviewed Date:** 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project:	Kirtland AFB BFF ST-106/SS-111	**Well ID:**	KAFB-106073
Project No:	6360401	**Samplers:**	S. Miles and L. Beasley
Date:	10/12/2022		

Well Information

Well was	Clean	Well Depth:	519.5 ft MRP
SCREEN SUBMERGED on	07/06/2022 **(previous gauging date)**	Top of Screen:	499.5 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	514.5 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 463.86 ft MRP Depth to Water (DTW): 465.38 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743 ~~1806B-743~~

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW073-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-073-224		

Reviewed By: _____ Initials: EP Review Date: 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106073

Purge Information and Field Parameter

Date: 10/12/2022

Purge Start Time: 10:00 Purge Rate: 520 mL/min X 0.000265 0.1378 gal/min

Description of first water purged: Clear and odorless - EP 10/13/22

Drawdown Limit: 35.64 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
10:05	465.4	2.11	19.2	84.6	7.86	35	8.96	121.2
10:10	465.4	1.25	19.5	85.2	7.77	14.3	8.33	121.2
10:15	465.4	0.26	19.7	52.9	4.7	412	7.99	170.9
10:20	465.4	0.27	19.8	28.2	2.55	439.1	8.06	167.4
10:25	465.4	0.55	20	16.7	1.51	443.7	8.06	164.1
10:30	465.4	0.64	20	11.7	1.05	445.6	8.07	160.7
10:35	465.4	0.39	20.1	10.3	0.96	445.5	8.06	158.4
10:40	465.4	1.34	20.1	7.9	0.71	445.6	8.06	156
10:45	465.4	0.35	20.3	6.6	0.6	445.2	8.05	153.7
10:50	465.4	0.75	20.3	5.7	0.51	446.5	8.05	150.8
10:55	465.4	0.14	20.3	5	0.45	451.2	8.04	149
11:00	465.4	0.25	20.5	4.5	0.41	453.4	8.04	146.8
11:05	465.4	0.26	20.6	4.2	0.39	456.4	8.03	144.6

Sample Time: 11:08 Sample Date: 10/12/2022

Purge End Time: 11:13

Bubbles in the vials?: No Where? _____ Amount: _____ Size: _____

Sampled by: S. Miles Sampler Signature: S. Miles Wednesday, October 12, 2022 11:14 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	17.5594	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: _____

Reviewed By: _____ Initials: EP Review Date: 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106074**
Project No:	**6360401**	**Samplers:**	**S. Miles and L. Beasley**
Date:	**10/12/2022**		

Well Information

Well was	Clean	Well Depth:	589.5 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	569.5 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	584.5 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 464.59 ft MRP Depth to Water (DTW): 466.02 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW074-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-074-224		

Reviewed By: _____ Initials: EP Review Date: 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106074

Purge Information and Field Parameter

Date: 10/12/2022

Purge Start Time: 12:12 Purge Rate: 680 mL/min X 0.000265 0.1802 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 104.91 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:15	466.09	0.23	20.3	82.5	7.45	5.3	7.97	113.1
12:20	466.09	1.4	20.2	93.3	8.39	248.9	7.74	165.9
12:25	466.09		19.8	64.8	5.87	302.3	8.14	166.3
12:30	466.09	0.72	19.5	49.6	4.64	303.2	8.17	165.3
12:35	466.09	0.71	19.4	43.4	3.96	303.4	8.17	164.7
12:40	466.09	0.66	19.4	40.9	3.76	303.7	8.17	163.9
12:45	466.09	0.74	19.5	47.1	3.97	304.4	8.16	163.8

Sample Time: 12:48 Sample Date: 10/12/2022

Purge End Time: 12:52

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Wednesday, October 12, 2022 12:58 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.708	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106075

Project No: 6360401 **Samplers:** S. Miles and L. Beasley

Date: 10/12/2022

Well Information

Well was: Clean

SCREEN SUBMERGED on 07/06/2022 **(previous gauging date)**

Barricade/Notification: Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 505 ft MRP

Top of Screen: 480 ft MRP

Bottom of Screen: 500 ft MRP

Reference Elevation Interval: 4857

IDW Label: Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 464.53 ft MRP Depth to Water (DTW): 466.02 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW075-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-075-224

Reviewed By: Initials: EP Review Date: 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106075

Purge Information and Field Parameter

Date: 10/12/2022

Purge Start Time: 13:55 Purge Rate: 600 mL/min X 0.000265 0.159 gal/min

Description of first water purged: Colorless and odorless

Drawdown Limit: 15.47 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
14:00	466.02	0.74	21.8	84.8	7.38	33.7	8.77	132.44
14:05	466.02	0.32	21.6	75.2	6.53	15.9	8.23	128.5
14:10	466.02	0.34	21.5	89.5	7.84	1160	7.65	183.6
14:15	466.02	2.02	21.2	82.6	7.29	1255	7.85	183.3
14:20	466.02	0.43	20.9	80.5	7.21	1263	7.87	183.4

Sample Time: 14:21 Sample Date: 10/12/2022

Purge End Time: 14:26

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Wednesday, October 12, 2022 14:22 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.429	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106076**
Project No:	**6360401**	**Samplers:**	**S. Miles and C. Ford**
Date:	**10/20/2022**		

Well Information

Well was	Hazardous	Well Depth:	505 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	480 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	500 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0.2 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 468.58 ft MRP Depth to Water (DTW): 469.75 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW076-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-076-224		

Reviewed By: _____ Initials: EP Review Date: 10/21/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106076

Purge Information and Field Parameter

Date: 10/20/2022

Purge Start Time: 14:46 Purge Rate: 500 mL/min X 0.000265 0.1325 gal/min

Description of first water purged: Clear slight hydrocarbon odor

Drawdown Limit: 11.42 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
15:00	469.75	4.14	20.5	25.2	2.16	622	6.78	1
15:05	469.75	4.62	20.6	10.4	0.93	620	6.85	-39.7
15:10	469.75	3.09	20.5	6.7	0.6	618	6.86	-60.4
15:15	469.75	3.32	20.6	4.8	0.43	615	6.88	-70.8
15:20	469.75	3.84	20.4	4	0.37	612	6.89	-75.7
15:25	469.75	6.42	20.5	3.7	0.33	605	6.89	-78.1
15:30	469.75	6.06	20.5	3.3	0.3	598	6.89	-80.5
15:35	469.75	5.98	20.4	3.6	0.32	594	6.9	-81.2

Sample Time: 15:36 Sample Date: 10/20/2022

Purge End Time: 15:41

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Thursday, October 20, 2022 16:16 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.2875	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/21/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106077

Project No: 6360401 **Samplers:** D. Schmeelk & K. Copeland

Date: 10/17/2022

Well Information

Well was	Clean	Well Depth:	524 ft MRP
SCREEN SUBMERGED on	**07/08/2022** **(previous gauging date)**	Top of Screen:	504 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	519 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/8/2022

Previous Depth to water: 469.96 ft MRP Depth to Water (DTW): 470.97 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 506.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW077-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW077-624	Sampling Medium:	Water
COC#:	COC-077-224		

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106077

Purge Information and Field Parameter

Date: 10/17/2022

Purge Start Time: 11:09 Purge Rate: 820 mL/min X 0.000265 0.2173 gal/min

Description of first water purged: Clear

Drawdown Limit: 34.04 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
11:15	470.95	0.74	14.6	80.7	8.34	177.7	5.99	144
11:20	470.95	0.77	16.3	36.5	3.55	286.6	7.62	171.6
11:25	470.95	1	17.6	28.7	2.72	288.2	7.92	157.4
11:30	470.95	0.71	18.2	27.6	2.59	288.4	7.93	150.7
11:35	470.95	0.46	18.5	27.4	2.56	289.1	7.9	146.2

Sample Time: 11:41 Sample Date: 10/17/2022

Purge End Time: 11:49

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: DS Sampler Signature: DS Monday, October 17, 2022 11:55 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	16.192	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/17/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106078

Project No: 6360401 **Samplers:** M. Al Khazraji N. Potter

Date: 10/25/2022

Well Information

Well was	Clean	Well Depth:	593.5 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	573.5 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	588.5 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0.1 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 468.84 ft MRP Depth to Water (DTW): 470.07 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth 0.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW078-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-078-224		

Reviewed By: Initials: EP Review Date: 10/25/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106078

Purge Information and Field Parameter

Date: 10/25/2022

Purge Start Time: 10:59 Purge Rate: 840 mL/min X 0.000265 0.2226 gal/min

Description of first water purged: Odorless clear

Drawdown Limit: 104.66 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
11:05	470.07	48.1	18.3	67.8	6.55	170.2	7.84	123.5
11:10	470.07	11.7	18.5	62.3	5.83	137.4	7.76	114.6
11:15	470.07	10.1	18.5	60.1	5.54	109.6	7.68	113.8
11:20	470.07	8.51	18.4	56.8	5.35	101.9	7.61	116.3
11:25	470.07	8.09	18.6	59.5	5.56	100	7.58	117.7

Sample Time: 11:30 Sample Date: 10/25/2022

Purge End Time: 11:40

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: Nick Potter Sampler Signature: M. Al Khazraji Tuesday, October 25, 2022 11:53 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	9.1266	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/25/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106079

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/17/2022

Well Information

Well was	Hazardous	Well Depth:	512.43 ft MRP
SCREEN SUBMERGED on	**07/08/2022** **(previous gauging date)**	Top of Screen:	486.83 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	506.83 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/8/2022

Previous Depth to water: 473.81 ft MRP Depth to Water (DTW): 475 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 488.80 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW079-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-079-224		

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106079

Purge Information and Field Parameter

Date: 10/17/2022

Purge Start Time: 14:58 Purge Rate: 580 mL/min X 0.000265 0.1537 gal/min

Description of first water purged: Clear with slight hydrocarbon odor

Drawdown Limit: 13.02 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
15:05	475.09	1.1	15.8	73.3	7.29	724	8.23	201.8
15:10	475.09	10.1	16.7	26	2.46	1099	7.04	25.2
15:15	475.09	11.1	16.8	15	1.44	1109	7.06	-42.1
15:20	475.09	15.8	17.1	11.3	1.08	1108	7.05	-63.9
15:25	475.09	15.8	17.2	9.4	0.9	1106	7.05	-82.1
15:30	475.09	10.4	17.3	8.1	0.78	1107	7.05	-92.7
15:35	475.09	10	17.3	6.7	0.65	1103	7.05	-102.6
15:40	475.09	12	17.4	5.6	0.53	1094	7.05	-109.4
15:45	475.09	12	17.5	5.2	0.49	1101	7.05	-116.1
15:50	475.09	11.2	17.6	4.1	0.39	1100	7.05	-122.3
15:55	475.09	9.8	17.6	3.4	0.32	1097	7.05	-127.8
16:00	475.09	11.8	17.4	2.8	0.27	1096	7.06	-133
16:05	475.09	9.81	17.5	2.5	0.25	1093	7.05	136.7

Sample Time: 16:06 Sample Date: 10/17/2022

Purge End Time: 16:12

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Monday, October 17, 2022 17:04 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	16.3738	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106080

Project No: 6360401 **Samplers:** D. Schmeelk & K. Copeland

Date: 10/19/2022

Well Information

Well was	Intermediate	Well Depth:	526.11 ft MRP
SCREEN SUBMERGED on	**07/08/2022** **(previous gauging date)**	Top of Screen:	505.91 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	520.91 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4838
IDW will be taken to:	Pending Analysis Yard	IDW Label:	White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/8/2022

Previous Depth to water: 472.4 ft MRP Depth to Water (DTW): 473.72 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-752

Non-Dedicated Pump Depth 507.90 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW080-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-080-224		

Reviewed By: Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106080

Purge Information and Field Parameter

Date: 10/19/2022

Purge Start Time: 10:55 Purge Rate: 880 mL/min X 0.000265 0.2332 gal/min

Description of first water purged: Clear, sulfuric odor

Drawdown Limit: 33.51 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
11:00	473.71	8.33	187	5.6	0.52	963	7.17	-79.9
11:05	473.71	8.35	18.8	4	0.37	956	7.18	-120
11:10	473.71	7.96	18.7	3.6	0.34	953	7.18	-129.9
11:15	473.71	8.13	18.8	3.2	0.31	945	7.18	-155.8

Sample Time: 11:17 Sample Date: 10/19/2022

Purge End Time: 11:24

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: DS Sampler Signature: DS Wednesday, October 19, 2022 12:01 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	11.7628	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/19/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106081

Project No: 6360401 **Samplers:** K. Copeland ~~Team 1~~ EP 10/17 D. Schmeltz

Date: 10/17/2022

Well Information

Well was	Clean	Well Depth:	597.8	ft MRP
SCREEN SUBMERGED on	**07/08/2022 (previous gauging date)**	Top of Screen:	577.87	ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	592.37	ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4814	
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous	

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/8/2022

Previous Depth to water: 473.65 ft MRP Depth to Water (DTW): 474.78 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807b-743

Non-Dedicated Pump Depth 579.90 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW081-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-081-224		

Reviewed By: [signature] Initials: EP Review Date: 10/17/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106081

Purge Information and Field Parameter

Date: 10/17/2022

Purge Start Time: 08:50 Purge Rate: 600 mL/min X 0.000265 0.159 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 104.22 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
08:55	474.79	0.32	12.3	68.6	7.27	11.3	7.72	128.3
09:00	474.78	0.76	13.4	93.9	9.93	12.1	6.44	142.5
09:05	474.78	1.05	14.5	43.9	4.42	287.5	7.76	172
09:10	474.78	0.93	15.1	41.4	4.15	289.3	7.86	145.1
09:15	474.78	0.98	15.4	41.7	4.06	289.6	7.88	136.7

Sample Time: 09:19 Sample Date: 10/17/2022

Purge End Time: 09:26

Bubbles in the vials?: No Where? _____ Amount: _____ Size: _____

Sampled by: D.Schmeelk Sampler Signature: DS Monday, October 17, 2022 10:16 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.224	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: _____

Reviewed By: _____ Initials: EP Review Date: 10/17/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106082

Project No: 6360401 **Samplers:** S. Miles and L. Beasley

Date: 10/10/2022

Well Information

Well was	Clean	Well Depth:	497.3	ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	472	ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	492	ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857	
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous	

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 459.82 ft MRP Depth to Water (DTW): 461.43 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW082-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-082-224		

Reviewed By: Initials: EP Review Date: 10/10/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106082

Purge Information and Field Parameter

Date: 10/10/2022

Purge Start Time: 11:33 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 12.18 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
11:40	461.46	1.58	20	72	6.57	63.5	9.53	135.3
11:45	461.46	82.4	20.3	43.1	3.79	492.6	8.01	169.1
11:50	461.45	74.3	20.5	28.6	2.55	507.4	7.98	144.1
11:55	461.46	81.5	21.1	18.9	1.67	507.8	7.97	121.9
12:00	461.45	51.6	21.4	16.7	1.47	507.3	7.95	108.9
12:05	461.45	47.7	21.6	15.6	1.39	505	7.93	98.7
12:10	461.45	40.7	21.7	14.4	1.28	504.5	7.93	92.6
12:15	461.45	31.3	21.8	15	1.33	505.9	7.93	89.2
12:20	461.45	26.7	21.9	14.8	1.3	506	7.92	86.8
12:25	461.45	28.3	22.2	14.9	1.31	504.3	7.92	81.9
12:29	461.44	29.4	21.9	14.5	1.28	504.7	7.92	79.2

Sample Time: 12:31 Sample Date: 10/10/2022

Purge End Time: 12:40

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S Miles Sampler Signature: S. Miles Monday, October 10, 2022 12:42 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	21.704	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: Moderate sulfur odor during sampling

Reviewed By: Initials: EP Review Date: 10/10/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106083

Project No: 6360401 **Samplers:** S. Miles and L. Beasley

Date: 10/10/2022

Well Information

Well was: Clean

SCREEN SUBMERGED on 07/06/2022 **(previous gauging date)**

Barricade/Notification: Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 515.7 ft MRP

Top of Screen: 495.5 ft MRP

Bottom of Screen: 510.5 ft MRP

Reference Elevation Interval: 4838

IDW Label: Green Non-Hazardous

Protective Casing/Vault: Intact

Well Locked/Security Bolt Present: Yes

Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No

LNAPL Thickness: ft

LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 459.46 ft MRP

Depth to Water (DTW): 461.02 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 497.50 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW083-224

Duplicate ID (if applicable):

COC#: COC-083-224

Sampling Method: Low-flow

Sampling Medium: Water

Reviewed By: Initials: EP Review Date: 10/10/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106083

Purge Information and Field Parameter

Date: 10/10/2022

Purge Start Time: 13:47 Purge Rate: 600 mL/min X 0.000265 0.159 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 36.04 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
13:50	461.05	6.66	22.6	76.6	6.54	3.3	7.62	103.5
13:55	461.05	6.07	22.6	71	6.27	2.6	7.2	99
14:00	461.03	5.78	22.7	73	6.41	2.5	6.82	108.4
14:05	461.03	3.77	22.8	60.9	5.1	253.4	7.76	131.5
14:10	461.03	2.13	22.9	27.6	2.32	381.5	8.05	129.1
14:15	461.03	0.63	22.9	14.1	1.2	387.6	8.09	123
14:20	461.03	0.88	22.8	10	0.85	389.2	8.09	115.2
14:25	461.02	1.17	22.6	8.3	0.72	393.1	8.1	113.7
14:30	461.02	4.48	22.5	6.9	0.61	394.1	8.09	109.7
14:35	461.02	1.4	22.3	6.4	0.56	394.1	8.09	107
14:40	461.02	1.72	22.2	5.8	0.5	394.2	8.08	104.7
14:45	461.02	0.3	22.1	5.6	0.48	394.6	8.08	104.1

Sample Time: 14:50 Sample Date: 10/10/2022

Purge End Time: 14:54

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Monday, October 10, 2022 15:06 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	18.153	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: Bailed 0.3' of water from well vault

Reviewed By: Initials: EP Review Date: 10/10/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106084

Project No: 6360401 **Samplers:** S. Miles and L. Beasley

Date: 10/10/2022

Well Information

Well was	Clean	Well Depth:	589.42	ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	569.62	ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	584.62	ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4814	
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous	

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 462.31 ft MRP Depth to Water (DTW): 463.97 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 571.60 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW084-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-084-224		

Reviewed By: Initials: EP Review Date: 10/10/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106084

Purge Information and Field Parameter

Date: 10/10/2022

Purge Start Time: 09:44 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 107.31 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
09:50	463.97	0.28	15.1	81.8	8.48	0.9	6.42	202
09:55	463.97	1.02	16.5	41.6	3.98	240.2	7.78	238.1
10:00	463.96	1.76	17.6	31.9	3.07	244.8	8.12	195
10:05	463.96	1.66	18	30.7	2.91	245.2	8.17	179
10:10	463.96	1.64	18.3	30.9	2.9	245.4	8.17	171.4

Sample Time: 10:11 Sample Date: 10/10/2022

Purge End Time: 10:15

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: SM Sampler Signature: S. Miles Monday, October 10, 2022 10:44 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.072	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106085 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW085-224

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	481.50 ft MRP
Previous Depth to Water (MRP):	**441.69**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	446.50 ft MRP
Length of Screen not submerged (ft):	**-4.81**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	476.50 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 13:45

PID: MiniRAE 3000 - 592-915790 WH0004

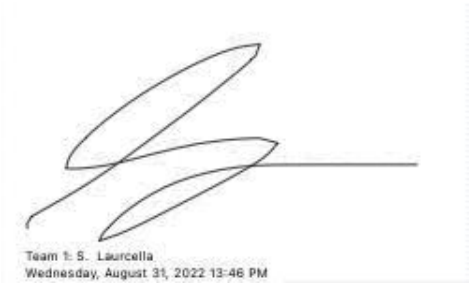
Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 442.86

DMS Tether and Reel ID match Well ID? SM

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	1	447.2
✓	2	449.78
✓	3	452.36
✓	4	454.94
✓	5	457.52
	6	460.1
	7	462.68
	8	465.26
	9	467.84
	10	470.42

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106085 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW085-224

Date Sampled: 10/12/2022 **Time Sampled:** 08:37 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓	
VOCs	✓						✓	
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓					✓	
Metals (Total)		✓	✓				✓	
Alkalinity				✓			✓	
Anions				✓			✓	
Nitrate / Nitrite			✓				✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW085-224
Duplicate ID: GW085-624
COC#: COC-085-224

Reveiwed By: Eddie Kerr **Reviewed Date:** 10/12/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106086 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW086-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	496.00 ft MRP
Previous Depth to Water (MRP):	**442.07**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	476.00 ft MRP
Length of Screen not submerged (ft):	**-33.93**			Bottom of Screen:	491.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 16:10

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**476.7**
✓	**2**	**479.29**
✓	**3**	**481.88**
	4	**484.47**
	5	**487.06**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106086** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW086-224

Date Sampled: 10/12/2022 **Time Sampled:** 07:40 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes: Only able to collect 200ml of Alkalinity, due to bottom sampler failure

Sample ID: GW086-224
Duplicate ID:
COC#: COC-086-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/12/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106087 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW087-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	565.50 ft MRP
Previous Depth to Water (MRP):	**441.29**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	546.00 ft MRP
Length of Screen not submerged (ft):	**-104.71**			Bottom of Screen:	561.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 12:55

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**546.7**
✓	**2**	**549.27**
✓	**3**	**551.84**
	4	**554.41**
	5	**556.98**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kissman **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106087** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW087-224

Date Sampled: 10/12/2022 **Time Sampled:** 08:10 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite	✓	✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW087-224
Duplicate ID:
COC#: COC-087-224

Reveiwed By: Eddie Kiess **Reviewed Date:** 10/12/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106088 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW088-224

Well Information

Screen Interval Length (ft):	**20**			Well Depth:	485.00 ft MRP
Previous Depth to Water (MRP):	**449.14**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	460.00 ft MRP
Length of Screen not submerged (ft):	**-10.86**			Bottom of Screen:	480.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 13:50

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	460.7
✓	2	463.28
✓	3	465.86
	4	468.44
	5	471.02
	6	473.6
	7	476.18

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: [signature]

Reviewed Date: 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106088** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW088-224

Date Sampled: 10/10/2022 **Time Sampled:** 14:48 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓	✓					
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW088-224
Duplicate ID:
COC#: COC-088-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106089 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW089-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	501.56 ft MRP
Previous Depth to Water (MRP):	**448.79**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	481.56 ft MRP
Length of Screen not submerged (ft):	**-32.77**			Bottom of Screen:	496.56 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 13:55

PID: MiniRAE 3000 - 592-915790 WH0004

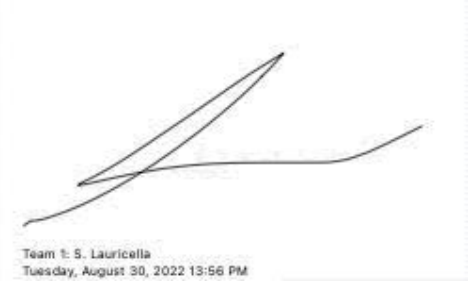
Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:



QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	482.26
✓	2	484.84
✓	3	487.42
	4	490
	5	492.58

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kissman **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106089** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW089-224

Date Sampled: 10/10/2022 **Time Sampled:** 15:17 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep)							
	1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity	✓	✓	✓					
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW089-224
Duplicate ID:
COC#: COC-089-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106090 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW090-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	575.08 ft MRP
Previous Depth to Water (MRP):	**447.71**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	555.08 ft MRP
Length of Screen not submerged (ft):	**-107.37**			Bottom of Screen:	570.08 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 14:32

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	555.78
✓	2	558.36
✓	3	560.94
	4	563.52
	5	566.1

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106090** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW090-224

Date Sampled: 10/10/2022 **Time Sampled:** 14:45 **Sampling Team:** D. Schmeelk. S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW090-224
Duplicate ID:
COC#: COC-090-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106091 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW091-224

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	479.00 ft MRP
Previous Depth to Water (MRP):	**439.75**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	454.00 ft MRP
Length of Screen not submerged (ft):	**-14.25**			Bottom of Screen:	474.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 12:25

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**454.7**
✓	**2**	**457.26**
✓	**3**	**459.82**
✓	**4**	**462.38**
✓	**5**	**464.94**
	6	**467.5**
	7	**470.06**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

S. Miles
Thursday, September 01, 2022 12:28 PM

Reveiwed By:

Reviewed Date: 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106091 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW091-224

Date Sampled: 10/07/2022 **Time Sampled:** 08:57 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓	
VOCs	✓						✓	
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓					✓	
Metals (Total)		✓	✓				✓	
Alkalinity			✓	✓			✓	
Anions			✓				✓	
Nitrate / Nitrite		✓	✓	✓			✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW091-224
Duplicate ID: GW091-624
COC#: COC-091-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/7/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106092 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW092-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth: 493.70	ft MRP
Previous Depth to Water (MRP):	**440.16**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 474.00	ft MRP
Length of Screen not submerged (ft):	**-33.84**			Bottom of Screen: 489.00	ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 13:00

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes:

TW
Thursday, September 01, 2022 12:01 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**474.7**
✓	**2**	**477.28**
✓	**3**	**479.86**
	4	**482.44**
	5	**485.02**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By:

Reviewed Date: 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106092** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW092-224

Date Sampled: 10/07/2022 **Time Sampled:** 08:32 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW092-224
Duplicate ID:
COC#: COC-092-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/7/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106093 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW093-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	563.20 ft MRP
Previous Depth to Water (MRP):	**439.53**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	544.00 ft MRP
Length of Screen not submerged (ft):	**-104.47**			Bottom of Screen:	559.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 12:54

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**544.7**
✓	**2**	**547.25**
✓	**3**	**549.8**
	4	**552.35**
	5	**554.9**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

S. Miles
Thursday, September 01, 2022 12:54 PM

Reveiwed By: Eddie Kissman **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106093 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW093-224

Date Sampled: 10/07/2022 Time Sampled: 09:31 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	√ EP 10/10/22							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW093-224
Duplicate ID:
COC#: COC-093-224

Reveiwed By: [signature]

Reviewed Date: 10/10/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106094

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/24/2022

Well Information

Well was	Intermediate	Well Depth:	509.2 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	484.2 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	504.2 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	Pending Analysis Yard	IDW Label:	White Pending Analysis

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 468.98 ft MRP Depth to Water (DTW): 470.11 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 0.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW094-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-094-224		

Reviewed By: Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106094

Purge Information and Field Parameter

Date: 10/24/2022

Purge Start Time: 13:35 Purge Rate: 860 mL/min X 0.000265 0.2279 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 15.22 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
13:35	470.11	1.48	17.6	64.5	6.06	519.6	7.02	157.7
13:40	470.11	1.43	17.8	59	5.57	519.7	7	156.9
13:45	470.11	5.16	17.9	38.7	3.4	536.4	6.92	115.3
13:50	470.11	44.5	18.1	7.7	0.71	661	7.01	125
13:55	470.11	35.7	18.1	5	0.47	658	7.08	129.3
14:00	470.11	21.2	17.7	4.4	0.42	653	7.1	132.6
14:05	470.11	16.7	18	4.2	0.4	649	7.11	135.9
14:10	470.11	12	18	3.7	0.34	646	7.12	138.1
14:15	470.11	8.4	17.8	3.3	0.3	641	7.12	139.9
14:20	470.11	13	17.6	3.1	0.29	640	7.13	140.9
14:25	470.11	11.4	17.6	2.8	0.27	638	7.13	142.7
14:30	470.11	5	17.9	2.6	0.24	634	7.12	144
14:35	470.11	8.69	17.7	2.5	0.24	630	7.12	144.3

Sample Time: 14:37 Sample Date: 10/24/2022

Purge End Time: 14:44

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Monday, October 24, 2022 15:04 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.9251	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106095

Project No: 6360401 **Samplers:** D. Schmeelk & K. Copeland

Date: 10/18/2022

Well Information

Well was	Clean	Well Depth:	523.85 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	503.85 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	518.85 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 468.55 ft MRP Depth to Water (DTW): 470.05 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 505.90 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW095-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-095-224		

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106095

Purge Information and Field Parameter

Date: 10/18/2022

Purge Start Time: 10:06 Purge Rate: 960 mL/min X 0.000265 0.2544 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 35.30 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
10:10	470.06	1.85	16.9	90.6	8.75	3.2	4.88	165.6
10:15	470.06	0.96	17.3	29.7	2.93	386	7.02	198.5
10:20	470.05	0.29	18	12.3	1.15	393.1	7.6	164.5
10:25	470.05	1.01	18.3	7.2	0.66	392.6	7.7	149.6
10:30	470.05	0.29	18.6	5.4	0.51	390.3	7.71	142.5
10:35	470.05	0.23	18.6	3.7	0.33	387.9	7.71	136.5
10:40	470.05	0.95	18.6	3.3	0.3	388.6	7.71	133.7
10:45	470.05	0.3	18.3	2.6	0.24	385.4	7.72	130.1
10:50	470.05	0.51	18.3	2.4	0.22	384.2	7.71	127.3
10:55	470.05	0.4	18.4	2.3	0.21	382.4	7.7	125.3

Sample Time: 11:01 Sample Date: 10/18/2022

Purge End Time: 11:05

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D.Schmeelk Sampler Signature: DS Tuesday, October 18, 2022 11:10 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	22.5096	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106096**
Project No:	**6360401**	**Samplers:**	**D.Schmeelk, K.Copeland**
Date:	**10/18/2022**		

Well Information

Well was	Clean	Well Depth:	596.45 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	576.45 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	591.45 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 469.18 ft MRP Depth to Water (DTW): 470.65 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 578.50 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW096-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW096-624	Sampling Medium:	Water
COC#:	COC-096-224		

Reviewed By: _____ Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106096

Purge Information and Field Parameter

Date: 10/18/2022

Purge Start Time: 08:20 Purge Rate: 680 mL/min X 0.000265 0.1802 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 107.27 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
08:25	470.66	0.18	12.8	73.5	7.77	1	5.95	162.1
08:30	470.66	3.13	14.6	70.3	7	210.1	7.23	193.9
08:35	470.66	3.85	16.1	29.5	2.9	231.4	7.87	170.8
08:40	470.65	2.92	16.7	27	2.62	232.5	7.94	143.6
08:45	470.65	2.33	17	25.4	2.45	233	7.96	134.6
08:50	470.65	2.72	17.2	25.2	2.43	233.1	7.97	129.5

Sample Time: 08:51 Sample Date: 10/18/2022

Purge End Time: 09:04

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: DS Sampler Signature: DS Tuesday, October 18, 2022 11:11 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.4288	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/18/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106097**
Project No:	**6360401**	**Samplers:**	**D. Schmeelk, S. Talley**
Date:	**10/04/2022**		

Well Information

Well was	Clean	Well Depth:	526.04 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	506.04 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	521.04 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 471.43 ft MRP Depth to Water (DTW): 472.72 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

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 - 15K101396 WH0001
PID	No PID available
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW097-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-097-224		

Reviewed By: A. Brandon Initials: AKB Review Date: 10/4/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106097

Purge Information and Field Parameter

Date: 10/04/2022

Purge Start Time: 09:53 Purge Rate: 880 mL/min X 0.000265 0.2332 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 34.61 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
10:00	472.73	4.2	18.1	53.6	4.95	415.2	7.87	160.8
10:05	472.74	4.19	18.3	31	2.89	412	7.88	142.6
10:10	472.74	3.59	18.4	27.7	2.6	413.5	7.87	132.6
10:15	472.74	3.46	18.4	26.4	2.47	415	7.86	126.9
10:20	472.74	3.34	18.4	25.5	2.4	416.7	7.86	123.9

Sample Time: 10:23 Sample Date: 10/04/2022

Purge End Time: 10:29

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D. Schmeelk Sampler Signature: DS Tuesday, October 04, 2022 10:31 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.3952	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: A. Brandon Initials: AKB Review Date: 10/4/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106098**
Project No:	**6360401**	**Samplers:**	**D. Schmeelk, S. Talley**
Date:	**10/04/2022**		

Well Information

Well was	Clean	Well Depth:	551.12 ft MRP
SCREEN SUBMERGED on	**07/06/2022 (previous gauging date)**	Top of Screen:	531.02 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	546.02 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 471.52 ft MRP Depth to Water (DTW): 472.83 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 533.00 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 - 15K101396 WH0001
PID	No PID available
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW098-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-098-224		

Reviewed By: A. Brandon Initials: AKB Review Date: 10/4/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106098

Purge Information and Field Parameter

Date: 10/04/2022

Purge Start Time: 12:01 Purge Rate: 980 mL/min X 0.000265 0.2597 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 59.50 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
12:05	472.84	7.91	18.3	96.5	9.27	372.5	7.91	153.8
12:10	472.84	3.24	18.8	59.2	5.38	382.3	7.89	145.1
12:15	472.84	1.46	18.8	46	4.23	379.1	7.98	141.9
12:20	472.84	2.71	18.8	40	3.7	375.8	7.97	139.8
12:25	472.84	0.51	18.9	37.8	3.51	372	7.97	138.3
12:30	472.84	0.88	18.9	37.1	3.44	371.3	7.97	137.3

Sample Time: 12:33 Sample Date: 10/04/2022

Purge End Time: 12:38

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D. Schmeelk Sampler Signature: DS Tuesday, October 04, 2022 13:31 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.6089	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: A. Brandon Initials: AKB Review Date: 10/4/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106099**
Project No:	**6360401**	**Samplers:**	**D. Schmeelk, S. Talley**
Date:	**10/05/2022**		

Well Information

Well was	Clean	Well Depth:	521 ft MRP
SCREEN SUBMERGED on	**07/07/2022** **(previous gauging date)**	Top of Screen:	501 ft MRP
Barricade/Notification:	Barricades by EA - VA lot	Bottom of Screen:	516 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ____ ft LNAPL Not observed during last gauging event: 7/7/2022

Previous Depth to water: 466.18 ft MRP Depth to Water (DTW): 467.24 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 503.00 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 - 15K101396 WH0001
PID	No PID available
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW099-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-099-224		

Reviewed By: _____ Initials: EP Review Date: 10/5/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106099

Purge Information and Field Parameter

Date: 10/05/2022

Purge Start Time: 12:05 Purge Rate: 880 mL/min X 0.000265 0.2332 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 34.82 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
12:10	467.25	2.56	17.6	99.3	9.3	495.9	7.74	188.3
12:15	467.25	0.92	18	73.2	6.9	526	7.83	179.9
12:20	467.25	0.19	18.1	66	6.23	529.1	7.86	174
12:25	467.25	0.14	18.2	62.8	5.96	530.7	7.86	170.6
12:30	467.25	0.15	18.1	61.7	5.82	531.4	7.86	168.2

Sample Time: 12:33 Sample Date: 10/05/2022

Purge End Time: 12:38

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D.Schmeelk Sampler Signature: D. Schmeelk Wednesday, October 05, 2022 13:54 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	7.6956	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: Did not decon due to rain. Will decon before next well.

Reviewed By: Initials: EP Review Date: 10/5/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106100

Project No: 6360401 **Samplers:** D. Schmeelk, S. Talley

Date: 10/05/2022

Well Information

Well was	Clean	Well Depth:	546 ft MRP
SCREEN SUBMERGED on	**07/07/2022** **(previous gauging date)**	Top of Screen:	526 ft MRP
Barricade/Notification:	Barricades by EA - VA lot	Bottom of Screen:	541 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/7/2022

Previous Depth to water: 466.19 ft MRP Depth to Water (DTW): 467.29 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

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 - 15K101396 WH0001
PID	No PID available
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW100-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-100-224		

Reviewed By: Initials: EP Review Date: 10/5/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106100

Purge Information and Field Parameter

Date: 10/05/2022

Purge Start Time: 10:00 Purge Rate: 800 mL/min X 0.000265 0.212 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 59.81 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
10:15	467.3	6.63	17.8	98.2	9.63	298.5	8.04	140.6
10:20	467.3	5.25	18.3	65.4	6.15	294.1	7.89	136
10:25	467.3	0.57	18.6	52.1	4.86	295	8	131.4
10:30	467.29	0.44	18.6	41.9	3.9	296.3	8	129.6
10:35	467.29	0.33	18.7	41	3.84	293.2	7.98	129.1
10:40	467.29	1.18	18.7	41.6	3.88	291.4	7.97	128.9

Sample Time: 10:41 Sample Date: 10/05/2022

Purge End Time: 10:48

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D.Schmeelk Sampler Signature: DS Wednesday, October 05, 2022 11:23 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.176	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/5/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106101

Project No: 6360401 **Samplers:** D. Schmeelk, S. Talley

Date: 10/06/2022

Well Information

Well was	Clean	Well Depth:	518.01 ft MRP
SCREEN SUBMERGED on	**07/06/2022** **(previous gauging date)**	Top of Screen:	498.81 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	514.11 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 463.34 ft MRP Depth to Water (DTW): 464.55 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 500.80 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW101-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-101-224		

Reviewed By: Initials: EP Review Date: 10/6/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106101

Purge Information and Field Parameter

Date: 10/06/2022

Purge Start Time: 10:41 Purge Rate: 780 mL/min X 0.000265 0.2067 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 35.47 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
10:45	464.55	6.14	16.6	89.7	9.35	420.6	7.92	167
10:50	464.55	4.19	17.2	95.1	9.09	602	7.85	161.4
10:55	464.55	1.37	17.4	92	8.78	601	7.84	160.3
11:00	464.55	2.29	17.6	91.8	8.74	597	7.84	160.1

Sample Time: 11:04 Sample Date: 10/06/2022

Purge End Time: 11:11

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D. Schmeelk Sampler Signature: DS Thursday, October 06, 2022 12:19 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	11.201	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/6/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106102

Project No: 6360401 **Samplers:** Team 1

Date: 10/06/2022

Well Information

Well was: Clean

SCREEN SUBMERGED on 07/06/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

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 Label: Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 463.46 ft MRP Depth to Water (DTW): 464.65 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 526.00 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW102-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-102-224

Reviewed By: Initials: EP Review Date: 10/6/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106102

Purge Information and Field Parameter

Date: 10/06/2022

Purge Start Time: 08:41 Purge Rate: 840 mL/min X 0.000265 0.2226 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 60.52 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
08:45	464.66	3.7	16.5	99.8	10.08	238	7.83	183.6
08:50	464.66	2.15	17.2	94	8.94	254.4	7.94	156
08:55	464.66	0.73	17.6	78.6	7.42	254.9	7.96	146.6
09:00	464.66	0.52	17.7	65.8	6.25	255.4	7.94	145.6
09:05	464.65	0.3	17.8	57.7	5.48	255.5	7.93	144.1
09:10	464.65	0.33	17.8	54.5	5.18	255.3	7.93	143.3
09:15	464.65	0.26	17.9	53.7	4.99	255.1	7.91	142.6

Sample Time: 09:16 Sample Date: 10/06/2022

Purge End Time: 09:25

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D. Schmeelk Sampler Signature: D. Schmeelk Thursday, October 06, 2022 10:04 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.7944	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106103 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW103-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	505.26 ft MRP
Previous Depth to Water (MRP):	**453.69**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	485.06 ft MRP
Length of Screen not submerged (ft):	**-31.37**			Bottom of Screen:	500.06 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 10:23

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**485.76**
✓	**2**	**488.32**
✓	**3**	**490.88**
	4	**493.44**
	5	**496**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kerr **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106103** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW103-224

Date Sampled: 10/12/2022 **Time Sampled:** 11:30 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW103-224
Duplicate ID:
COC#: COC-103-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/13/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106104** ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW104-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	530.05 ft MRP
Previous Depth to Water (MRP):	**453.11**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	510.05 ft MRP
Length of Screen not submerged (ft):	**-56.94**			Bottom of Screen:	525.05 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 10:44

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**510.75**
✓	**2**	**513.31**
✓	**3**	**515.87**
	4	**518.43**
	5	**520.99**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

S. Miles
Wednesday, August 31, 2022 10:45 AM

Reveiwed By: Eddie Kiesling **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106104** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW104-224

Date Sampled: 10/12/2022 **Time Sampled:** 12:01 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW104-224
Duplicate ID:
COC#: COC-104-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/13/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106105 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW105-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	504.00 ft MRP
Previous Depth to Water (MRP):	**446.55**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	484.00 ft MRP
Length of Screen not submerged (ft):	**-37.45**			Bottom of Screen:	499.00 ft MRP

Deployment Team: D.Schmeelk, E.Piechowicz

Date Deployed: 08/29/2022 **Time Deployed:** 12:07

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, August 29, 2022 12:06 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**484.7**
✓	**2**	**487.22**
✓	**3**	**489.74**
	4	**492.26**
	5	**494.78**
	6	**497.3**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106105** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW105-224

Date Sampled: 10/06/2022 **Time Sampled:** 12:45 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW105-224
Duplicate ID:
COC#: COC-105-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106106 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW106-224

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	488.60 ft MRP
Previous Depth to Water (MRP):	**446.42**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	453.60 ft MRP
Length of Screen not submerged (ft):	**-7.18**			Bottom of Screen:	483.60 ft MRP

Deployment Team: D.Schmeelk, E.Piechowicz

Date Deployed: 08/29/2022 **Time Deployed:** 12:15

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? EP

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**454.3**
✓	**2**	**456.85**
✓	**3**	**459.4**
✓	**4**	**461.95**
✓	**5**	**464.5**
	6	**467.05**
	7	**469.6**
	8	**472.15**
	9	**474.7**
	10	**477.25**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Edward Piechowicz
Monday, August 29, 2022 12:27 PM

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106106 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW106-224

Date Sampled: 10/06/2022 **Time Sampled:** 12:00 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓	
VOCs	✓						✓	
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓					✓	
Metals (Total)		✓	✓				✓	
Alkalinity				✓	✓		✓	
Anions			✓				✓	
Nitrate / Nitrite			✓	✓			✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW106-224
Duplicate ID: GW106-624
COC#: COC-106-224

Reveiwed By: Eddie Kiess **Reviewed Date:** 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106107 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW107-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	530.20 ft MRP
Previous Depth to Water (MRP):	**446.66**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	510.20 ft MRP
Length of Screen not submerged (ft):	**-63.54**			Bottom of Screen:	525.20 ft MRP

Deployment Team: D.Schmeelk, E.Piechowicz

Date Deployed: 08/29/2022 **Time Deployed:** 12:30

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? EP

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**510.9**
✓	**2**	**513.44**
✓	**3**	**515.98**
	4	**518.52**
	5	**521.06**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Edward Piechowicz
Monday, August 29, 2022 12:48 PM

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106107** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW107-224

Date Sampled: 10/06/2022 **Time Sampled:** 13:14 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW107-224
Duplicate ID:
COC#: COC-107-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106149-484 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW149-484-224

Well Information					
Screen Interval Length (ft):	**130**			Well Depth:	483.84 ft MRP
Previous Depth to Water (MRP):	**469.71**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	354.00 ft MRP
Length of Screen not submerged (ft):	**115.71**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	484.00 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 08:38

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 470.57

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed prototype sampler in bottom position, to see how PVC bands hold up to well.

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	10	**451.68**
	11	**454.23**
	12	**456.78**
	13	**459.33**
	14	**461.88**
	15	**464.43**
	16	**466.98**
	17	**469.53**
✓	**18**	**472.08**
✓	**19**	**474.63**
✓	**20**	**477.18**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kirsch **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106149-484** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW149-484-224

Date Sampled: 10/13/2022 **Time Sampled:** 15:50 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0.3 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GW149-484-224
Duplicate ID:
COC#: COC-149-484-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/14/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106151-484 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW151-484-224

Well Information					
				Well Depth:	484.19 ft MRP
Screen Interval Length (ft):	**129**			Top of Screen:	355.19 ft MRP
Previous Depth to Water (MRP):	**469.62**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Bottom of Screen:	484.19 ft MRP
Length of Screen not submerged (ft):	**114.43**	Water level <5ft above top of screen or screen not submerged			

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 13:15

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 470.48

DMS Tether and Reel ID match Well ID? DS

Notes: Sampler that was left on tether from last quarter was placed in the top position.

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
	10	451.98
	11	454.54
	12	457.1
	13	459.66
	14	462.22
	15	464.78
	16	467.34
	17	469.9
✓	18	472.46
✓	19	475.02
✓	20	477.58

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: [signature]

Reviewed Date: 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106151-484** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW151-484-224

Date Sampled: 10/14/2022 **Time Sampled:** 09:50 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0.5 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes: 1 1mm bubble in 1 of 2 EDB VOAs

Sample ID: GW151-484-224
Duplicate ID:
COC#: COC-151-484-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/14/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106152-484 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW152-484-224

Well Information					
Screen Interval Length (ft):	**129**			Well Depth:	484.28 ft MRP
Previous Depth to Water (MRP):	**471.48**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	355.28 ft MRP
Length of Screen not submerged (ft):	**116.2**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	484.28 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 14:50

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 472.33

DMS Tether and Reel ID match Well ID? TW

Notes: Sampler left in well from Q3 redeployed at top position

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	10	**454.2**
	11	**456.78**
	12	**459.36**
	13	**461.94**
	14	**464.52**
	15	**467.1**
	16	**469.68**
	17	**472.26**
✓	**18**	**474.84**
✓	**19**	**477.42**
✓	**20**	**480**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106152-484** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW152-484-224

Date Sampled: 10/13/2022 **Time Sampled:** 09:37 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓						
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GW152-484-224
Duplicate ID:
COC#: COC-152-484-224

Reveiwed By: Eddie Hess **Reviewed Date:** 10/13/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106153-484 *Deployment*

Year: 2022
Quarter: 4
Sample ID: GW153-484-224

Well Information					
Screen Interval Length (ft):	129			Well Depth:	484.29 ft MRP
Previous Depth to Water (MRP):	472.86	(Gauged on 07/05/2022)	LNAPL NOT detected during prior gauging	Top of Screen:	355.29 ft MRP
Length of Screen not submerged (ft):	117.57	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	484.29 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 11:30

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 ppm

Depth to Water: 473.73

DMS Tether and Reel ID match Well ID? TW

Notes: Third Sampler not deployed due to gauged Depth to water per Dylan Schmeelk -EP 8/30/22

TW
Tuesday, August 30, 2022 11:39 AM

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
	10	451.74
	11	454.33
	12	456.92
	13	459.51
	14	462.1
	15	464.69
	16	467.28
	17	469.87
	18	472.46
✓	19	475.05
✓	20	477.64

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kirsch **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106153-484 ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW153-484-224

Date Sampled: 10/13/2022 **Time Sampled:** 15:11 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0.3 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GW153-484-224
Duplicate ID:
COC#: COC-153-484-224

Reveiwed By: Type text here

Reviewed Date: 10/14/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106201 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW201-224

Well Information					
Screen Interval Length (ft):	**30**			Well Depth: 524.65	ft MRP
Previous Depth to Water (MRP):	**482.94**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 489.65	ft MRP
Length of Screen not submerged (ft):	**-6.71**			Bottom of Screen: 519.65	ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 09:05

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**490.35**
✓	**2**	**492.91**
✓	**3**	**495.47**
	4	**498.03**
	5	**500.59**
	6	**503.15**
	7	**505.71**
	8	**508.27**
	9	**510.83**
	10	**513.39**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106201 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW201-224

Date Sampled: 10/03/2022 Time Sampled: 09:16 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓ EDB 10/10/22							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW201-224
Duplicate ID:
COC#: COC-201-224

Reveiwed By:

Reviewed Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106202 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW202-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	539.90 ft MRP
Previous Depth to Water (MRP):	**483.77**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	519.90 ft MRP
Length of Screen not submerged (ft):	**-36.13**			Bottom of Screen:	534.90 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 08:50

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**520.6**
✓	**2**	**523.17**
✓	**3**	**525.74**
	4	**528.31**
	5	**530.88**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

S. Miles
Monday, August 29, 2022 08:50 AM

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106202 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW202-224

Date Sampled: 10/03/2022 Time Sampled: 10:04 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓ EP 10/10/22							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW202-224
Duplicate ID:
COC#: COC-202-224

Reveiwed By: [signature]

Reviewed Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106203 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW203-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	643.08 ft MRP
Previous Depth to Water (MRP):	**484.07**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	623.08 ft MRP
Length of Screen not submerged (ft):	**-139.01**			Bottom of Screen:	638.08 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 09:20

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**623.78**
✓	**2**	**626.33**
✓	**3**	**628.88**
	4	**631.43**
	5	**633.98**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106203 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW203-224

Date Sampled: 10/03/2022 Time Sampled: 09:36 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓ EB 10/4/22							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW203-224
Duplicate ID:
COC#: COC-203-224

Reveiwed By: Ed

Reviewed Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106204 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW204-224

Well Information

Screen Interval Length (ft):	**30**			Well Depth:	497.50 ft MRP
Previous Depth to Water (MRP):	**457.50**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	462.50 ft MRP
Length of Screen not submerged (ft):	**-5**			Bottom of Screen:	492.50 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 13:14

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

Team 1 S. Lauricella
Monday, August 29, 2022 13:14 PM

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	463.2
✓	2	465.76
✓	3	468.32
	4	470.88
	5	473.44
	6	476
	7	478.56
	8	481.12
	9	483.68
	10	486.24

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106204** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW204-224

Date Sampled: 10/05/2022 **Time Sampled:** 10:11 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW204-224
Duplicate ID:
COC#: COC-204-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/5/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106205 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW205-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	512.50 ft MRP
Previous Depth to Water (MRP):	**457.96**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	492.50 ft MRP
Length of Screen not submerged (ft):	**-34.54**			Bottom of Screen:	507.50 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 12:44

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	493.2
✓	2	495.77
✓	3	498.34
✓	4	500.91
✓	5	503.48

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106205 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW205-224

Date Sampled: 10/05/2022 Time Sampled: 09:27 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓ EP	EP 10/6/22
VOCs	✓						✓ EP	
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓					✓	
Metals (Total)		✓	✓				✓	
Alkalinity				✓			✓	
Anions			✓				✓	
Nitrate / Nitrite				✓			✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW205-224
Duplicate ID: GW205-624
COC#: COC-205-224

Reveiwed By: [signature]

Reviewed Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106206 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW206-224

Well Information					
Screen Interval Length (ft):	**14.7**			Well Depth:	613.20 ft MRP
Previous Depth to Water (MRP):	**458.18**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	593.50 ft MRP
Length of Screen not submerged (ft):	**-135.32**			Bottom of Screen:	608.20 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 12:52

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	594.2
✓	2	596.79
✓	3	599.38
	4	601.97
	5	604.56

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106206** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW206-224

Date Sampled: 10/05/2022 **Time Sampled:** 08:36 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW206-224
Duplicate ID:
COC#: COC-206-224

Reveiwed By: Eddie Kiesling **Reviewed Date:** 10/5/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106207 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW207-224

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	507.94 ft MRP
Previous Depth to Water (MRP):	**469.61**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	473.00 ft MRP
Length of Screen not submerged (ft):	**-3.39**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	503.00 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 11:45

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 472.51

DMS Tether and Reel ID match Well ID? SM

Notes:

Team 1: S. Lauricella
Monday, August 29, 2022 11:49 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
MS/MSD sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**473.7**
✓	**2**	**476.28**
✓	**3**	**478.86**
✓	**4**	**481.44**
✓	**5**	**484.02**
✓	**6**	**486.6**
	7	**489.18**
	8	**491.76**
	9	**494.34**
	10	**496.92**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106207 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW207-224

Date Sampled: 10/03/2022 Time Sampled: 1427 EP 10/10/22 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							✓
VOCs	✓	✓						✓
BTEX								
BTEXN								
Metals (Dissolved)		✓	✓	✓				✓
Metals (Total)			✓	✓	✓			✓
Alkalinity					✓			✓
Anions				✓				✓
Nitrate / Nitrite					✓			✓

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW207-224
Duplicate ID:
COC#: COC-207-224

Reveiwed By:

Reviewed Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106208 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW208-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	522.98 ft MRP
Previous Depth to Water (MRP):	**469.40**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	503.00 ft MRP
Length of Screen not submerged (ft):	**-33.6**			Bottom of Screen:	518.00 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 11:25

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

Team 1: S. Lauricella
Monday, August 29, 2022 11:30 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**503.7**
✓	**2**	**506.28**
✓	**3**	**508.86**
	4	**511.44**
	5	**514.02**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106208** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW208-224

Date Sampled: 10/03/2022 **Time Sampled:** 13:41 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW208-224
Duplicate ID:
COC#: COC-208-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/3/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106209 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW209-224

Well Information					
Screen Interval Length (ft):	**14**			Well Depth: 621.96	ft MRP
Previous Depth to Water (MRP):	**469.06**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 603.00	ft MRP
Length of Screen not submerged (ft):	**-133.94**			Bottom of Screen: 617.00	ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 11:04

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**603.7**
✓	**2**	**606.28**
✓	**3**	**608.86**
	4	**611.44**
	5	**614.02**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106209** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW209-224

Date Sampled: 10/03/2022 **Time Sampled:** 13:41 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW209-224
Duplicate ID:
COC#: COC-209-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/3/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106212 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW212-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	563.39 ft MRP
Previous Depth to Water (MRP):	**447.70**	**(Gauged on 07/08/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	543.23 ft MRP
Length of Screen not submerged (ft):	**-95.53**			Bottom of Screen:	558.23 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 09:50

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes:

DS
Thursday, September 01, 2022 10:02 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**543.93**
✓	**2**	**546.52**
✓	**3**	**549.11**
	4	**551.7**
	5	**554.29**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Rios **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106212** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW212-224

Date Sampled: 10/11/2022 **Time Sampled:** 09:48 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW212-224
Duplicate ID:
COC#: COC-212-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106213 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW213-224

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	483.31 ft MRP
Previous Depth to Water (MRP):	**450.58**	**(Gauged on 07/08/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	448.00 ft MRP
Length of Screen not submerged (ft):	**2.58**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	478.00 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 08:10

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 451.82

DMS Tether and Reel ID match Well ID? TW

Notes:

TW
Thursday, September 01, 2022 08:20 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**446.57**
	2	**449.15**
	3	**451.73**
✓	**4**	**454.31**
✓	**5**	**456.89**
✓	**6**	**459.47**
	7	**462.05**
	8	**464.63**
	9	**467.21**
	10	**469.79**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By:

Reviewed Date: 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106213** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW213-224

Date Sampled: 10/11/2022 **Time Sampled:** 08:15 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions	✓							
Nitrate / Nitrite	✓	✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW213-224
Duplicate ID:
COC#: COC-213-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106214 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW214-224

Well Information					
Screen Interval Length (ft):	**14.5**			Well Depth:	498.15 ft MRP
Previous Depth to Water (MRP):	**450.77**	**(Gauged on 07/08/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	478.25 ft MRP
Length of Screen not submerged (ft):	**-27.48**			Bottom of Screen:	492.75 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 08:32

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes:

TW
Thursday, September 01, 2022 08:32 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**478.95**
✓	**2**	**481.51**
✓	**3**	**484.07**
	4	**486.63**
	5	**489.19**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106214 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW214-224

Date Sampled: 10/11/2022 **Time Sampled:** 08:45 **Sampling Team:** D. Schmeelk S.Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions	✓							
Nitrate / Nitrite	✓	✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW214-224
Duplicate ID:
COC#: COC-214-224

Reveiwed By: Eddie Kiesz

Reviewed Date: 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106215 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW215-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	567.00 ft MRP
Previous Depth to Water (MRP):	**450.98**	**(Gauged on 07/08/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	547.00 ft MRP
Length of Screen not submerged (ft):	**-96.02**			Bottom of Screen:	562.00 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 08:40

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes:

TW
Thursday, September 01, 2022 08:48 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**547.7**
✓	**2**	**550.28**
✓	**3**	**552.86**
	4	**555.44**
	5	**558.02**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By:

Reviewed Date: 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106215** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW215-224

Date Sampled: 10/11/2022 **Time Sampled:** 09:15 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW215-224
Duplicate ID:
COC#: COC-215-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106216 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW216-224

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	490.50 ft MRP
Previous Depth to Water (MRP):	**458.95**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	455.50 ft MRP
Length of Screen not submerged (ft):	**3.45**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	485.50 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 11:55

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 460.61

DMS Tether and Reel ID match Well ID? DS

Notes: Sampler left in well from last quarter was deployed in top position.

DS
Wednesday, August 31, 2022 12:02 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
MS/MSD sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**456.2**
	2	**458.78**
✓	**3**	**461.36**
✓	**4**	**463.94**
✓	**5**	**466.52**
✓	**6**	**469.1**
✓	**7**	**471.68**
✓	**8**	**474.26**
	9	**476.84**
	10	**479.42**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106216 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW216-224

Date Sampled: 10/04/2022 **Time Sampled:** 12:34 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** EP

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓	✓						✓
VOCs	✓							✓
BTEX								
BTEXN								
Metals (Dissolved)		✓	✓		✓			✓
Metals (Total)			✓	✓				✓
Alkalinity	✓	✓		✓	✓			✓ ✓
Anions					✓			✓ ✓
Nitrate / Nitrite				✓				✓ ✓

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW216-224
Duplicate ID:
COC#: COC-216-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/5/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106217 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW217-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	505.00 ft MRP
Previous Depth to Water (MRP):	**458.87**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	485.00 ft MRP
Length of Screen not submerged (ft):	**-26.13**			Bottom of Screen:	500.00 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 11:15

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes: Sampler left in well from last quarter was deployed in middle position.

DS
Wednesday, August 31, 2022 11:18 AM

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	485.7
✓	2	488.27
✓	3	490.84
	4	493.41
	5	495.98

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106217 ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW217-224

Date Sampled: 10/04/2022 **Time Sampled:** 11:36 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** EP

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓						
Metals (Total)	✓	✓						
Alkalinity			✓					
Anions	✓	✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW217-224
Duplicate ID:
COC#: COC-217-224

Reveiwed By: Eddie Piechowicz **Reviewed Date:** 10/5/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106218 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW218-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	572.45 ft MRP
Previous Depth to Water (MRP):	**459.03**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	552.00 ft MRP
Length of Screen not submerged (ft):	**-92.97**			Bottom of Screen:	567.00 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 11:35

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes: Sampler left in well from last quarter was redeployed in the middle position.

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	552.7
✓	2	555.27
✓	3	557.84
	4	560.41
	5	562.98

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesling **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106218** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW218-224

Date Sampled: 10/04/2022 **Time Sampled:** 13:46 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions	✓	✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW218-224
Duplicate ID:
COC#: COC-218-224

Reveiwed By: A. Brandon **Reviewed Date:** 10/4/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106219 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW219-224

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	497.90 ft MRP
Previous Depth to Water (MRP):	**465.41**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	462.70 ft MRP
Length of Screen not submerged (ft):	**2.71**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	492.70 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 10:28

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 467.46

DMS Tether and Reel ID match Well ID? SM

Notes:

Team 1: S. Lauricella
Monday, August 29, 2022 10:28 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
	1	460.55
	2	463.12
	3	465.69
✓	4	468.26
✓	5	470.83
✓	6	473.4
	7	475.97
	8	478.54
	9	481.11
	10	483.68

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106219 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW219-224

Date Sampled: 10/03/2022 Time Sampled: 12:03 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓ EP 10/10/22							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW219-224
Duplicate ID:
COC#: COC-219-224

Reveiwed By: EP

Reviewed Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106220 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW220-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth: 513.00	ft MRP
Previous Depth to Water (MRP):	**465.34**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 493.00	ft MRP
Length of Screen not submerged (ft):	**-27.66**			Bottom of Screen: 508.00	ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 10:11

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

Team 1: S. Lauricella
Monday, August 29, 2022 10:11 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**493.7**
✓	**2**	**496.28**
✓	**3**	**498.86**
	4	**501.44**
	5	**504.02**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106220 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW220-224

Date Sampled: 10/03/2022 Time Sampled: 11:36 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓ EP	10/10/22						
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW220-224
Duplicate ID:
COC#: COC-220-224

Reveiwed By: EP Reviewed Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106221 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW221-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth: 581.00	ft MRP
Previous Depth to Water (MRP):	**465.12**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 561.00	ft MRP
Length of Screen not submerged (ft):	**-95.88**			Bottom of Screen: 576.00	ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 09:53

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**561.7**
✓	**2**	**564.27**
✓	**3**	**566.84**
	4	**569.41**
	5	**571.98**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106221** *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW221-224

Date Sampled: 10/03/2022 Time Sampled: 10:58 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	V EP 10/10/22							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW221-224
Duplicate ID:
COC#: COC-221-224

Reveiwed By: [signature]

Reviewed Date: 10/10/22

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106222 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW222-224

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	493.20 ft MRP
Previous Depth to Water (MRP):	**458.25**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	457.80 ft MRP
Length of Screen not submerged (ft):	**0.45**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	487.80 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 13:20

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 460.17

DMS Tether and Reel ID match Well ID? TW

Notes: Sampler left in well from last quarter was redeployed in the middle position.

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**458.5**
✓	**2**	**461.08**
✓	**3**	**463.66**
✓	**4**	**466.24**
	5	**468.82**
	6	**471.4**
	7	**473.98**
	8	**476.56**
	9	**479.14**
	10	**481.72**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kirtley **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106222 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW222-224

Date Sampled: 10/04/2022 **Time Sampled:** 16:10 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** EP

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW222-224
Duplicate ID:
COC#: COC-222-224

Reveiwed By: A. Brandon **Reviewed Date:** 10/4/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106223 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW223-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	508.00 ft MRP
Previous Depth to Water (MRP):	**458.92**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	487.80 ft MRP
Length of Screen not submerged (ft):	**-28.88**			Bottom of Screen:	502.80 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 13:00

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes: Sampler left in well from last quarter was redeployed in the middle position.

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	1	488.5
✓	2	491.07
✓	3	493.64
	4	496.21
	5	498.78

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

TW
Wednesday, August 31, 2022 13:09 MM

Reveiwed By: [signature]

Reviewed Date: 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106223** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW223-224

Date Sampled: 10/04/2022 **Time Sampled:** 15:37 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW223-224
Duplicate ID:
COC#: COC-223-224

Reveiwed By: A. Brandon **Reviewed Date:** 10/4/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106224 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW224-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	575.50 ft MRP
Previous Depth to Water (MRP):	**460.05**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	555.00 ft MRP
Length of Screen not submerged (ft):	**-94.95**			Bottom of Screen:	570.00 ft MRP

Deployment Team: D. Schmeelk, T. Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 12:40

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes: Sampler left in well from last quarter was deployed in top position.

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**555.7**
✓	**2**	**558.26**
✓	**3**	**560.82**
	4	**563.38**
	5	**565.94**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

TW
Wednesday, August 31, 2022 12:45 PM

Reveiwed By:

Reviewed Date: 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106224** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW224-224

Date Sampled: 10/04/2022 **Time Sampled:** 14:38 **Sampling Team:** E. Piechowicz S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓						
Metals (Total)		✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite			✓					

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes: Small leak in first sample bag

Sample ID: GW224-224
Duplicate ID:
COC#: COC-224-224

Reveiwed By: A. Brandon **Reviewed Date:** 10/4/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106225 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW225-224

Well Information

Screen Interval Length (ft):	**30**			Well Depth:	485.20 ft MRP
Previous Depth to Water (MRP):	**451.48**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	450.00 ft MRP
Length of Screen not submerged (ft):	**1.48**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	480.00 ft MRP

Deployment Team: D.Schmeelk, E.Piechowicz

Date Deployed: 08/29/2022 **Time Deployed:** 14:00

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 453.11

DMS Tether and Reel ID match Well ID? EP

Notes: Form not populating analytes and showing to deply 2 samplers. 3 samplers deployed. This well will be sampled for a full suite

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
	1	450.7
	2	453.27
✓	3	455.84
✓	4	458.41
✓	5	460.98
	6	463.55
	7	466.12
	8	468.69
	9	471.26
	10	473.83

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106225** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW225-224

Date Sampled: 10/05/2022 **Time Sampled:** 12:01 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW225-224
Duplicate ID:
COC#: COC-225-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/5/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106226 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW226-224

Well Information

Screen Interval Length (ft):	**15**			Well Depth:	500.00 ft MRP
Previous Depth to Water (MRP):	**452.09**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	480.00 ft MRP
Length of Screen not submerged (ft):	**-27.91**			Bottom of Screen:	495.00 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 11:00

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? TW

Notes:

TW
Thursday, September 01, 2022 11:07 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**480.7**
✓	**2**	**483.28**
✓	**3**	**485.86**
	4	**488.44**
	5	**491.02**
	6	**493.6**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiessling **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106226** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW226-224

Date Sampled: 10/05/2022 **Time Sampled:** 11:03 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW226-224
Duplicate ID:
COC#: COC-226-224

Reveiwed By: Eddie Kiess **Reviewed Date:** 10/5/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106227 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW227-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	568.50 ft MRP
Previous Depth to Water (MRP):	**452.83**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	548.00 ft MRP
Length of Screen not submerged (ft):	**-95.17**			Bottom of Screen:	563.00 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 10:55

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Thursday, September 01, 2022 10:47 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**548.7**
✓	**2**	**551.26**
✓	**3**	**553.82**
	4	**556.38**
	5	**558.94**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106227** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW227-224

Date Sampled: 10/05/2022 **Time Sampled:** 11:18 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW227-224
Duplicate ID:
COC#: COC-227-224

Reveiwed By: Eddie Rivera **Reviewed Date:** 10/5/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106229 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW229-224

Well Information

Screen Interval Length (ft):	**100**			Well Depth:	536.00 ft MRP
Previous Depth to Water (MRP):	**439.94**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	431.00 ft MRP
Length of Screen not submerged (ft):	**8.94**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	531.00 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 12:40

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 441.25

DMS Tether and Reel ID match Well ID? TW

Notes: Sampler that was left on tether from last quarter was placed in the top position.

TW
Thursday, September 01, 2022 12:47 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	EDB

	Sampler Number:	Top of Sampler Depth (MRP)
	1	431.7
	2	434.29
	3	436.88
	4	439.47
✓	5	442.06
✓	6	444.65
	7	447.24
	8	449.83
	9	452.42
	10	455.01
	11	457.6
	12	460.19
	13	462.78
	14	465.37
	15	467.96

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106229** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW229-224

Date Sampled: 10/07/2022 **Time Sampled:** 08:10 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs								
BTEX								
BTEXN								
Metals (Dissolved)								
Metals (Total)								
Alkalinity								
Anions								
Nitrate / Nitrite								

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW229-224
Duplicate ID:
COC#: COC-229-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/7/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106230 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW230-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	521.00 ft MRP
Previous Depth to Water (MRP):	**449.40**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	501.00 ft MRP
Length of Screen not submerged (ft):	**-51.6**			Bottom of Screen:	516.00 ft MRP

Deployment Team: D.Schmeelk, E.Piechowicz

Date Deployed: 08/29/2022 **Time Deployed:** 13:15

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? EP

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**501.7**
✓	**2**	**504.3**
✓	**3**	**506.9**
	4	**509.5**
	5	**512.1**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Edward Piechowicz
Monday, August 29, 2022 13:21 PM

Reveiwed By: A. Brandon **Reviewed Date:** 8/29/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106230** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW230-224

Date Sampled: 10/06/2022 **Time Sampled:** 11:06 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW230-224
Duplicate ID:
COC#: COC-230-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106231 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW231-224

Well Information					
Screen Interval Length (ft):	**35**			Well Depth:	480.00 ft MRP
Previous Depth to Water (MRP):	**452.18**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	440.00 ft MRP
Length of Screen not submerged (ft):	**12.18**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	475.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 11:47

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 454.36

DMS Tether and Reel ID match Well ID? SM

Notes:

S. Miles
Thursday, September 01, 2022 11:48 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**440.7**
	2	**443.26**
	3	**445.82**
	4	**448.38**
	5	**450.94**
	6	**453.5**
✓	**7**	**456.06**
✓	**8**	**458.62**
✓	**9**	**461.18**
	10	**463.74**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106231** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW231-224

Date Sampled: 10/26/2022 **Time Sampled:** 12:50 **Sampling Team:** S. Lauricella, C. Ford

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓	✓					
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW231-224
Duplicate ID:
COC#: COC-231-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/26/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106232 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW232-224

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	523.00 ft MRP
Previous Depth to Water (MRP):	**451.75**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	503.00 ft MRP
Length of Screen not submerged (ft):	**-51.25**			Bottom of Screen:	518.00 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 11:26

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**503.7**
✓	**2**	**506.28**
✓	**3**	**508.86**
	4	**511.44**
	5	**514.02**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 9/07/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106232** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW232-224

Date Sampled: 10/26/2022 **Time Sampled:** 12:24 **Sampling Team:** S. Lauricella, C. Ford

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW232-224
Duplicate ID:
COC#: COC-232-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/26/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-438 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW235-438-224

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	464.96 ft MRP
Previous Depth to Water (MRP):	**440.40**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	438.00 ft MRP
Length of Screen not submerged (ft):	**2.4**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	463.00 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 14:22

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 442.01

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**438.7**
	2	**441.26**
✓	**3**	**443.82**
✓	**4**	**446.38**
✓	**5**	**448.94**
	6	**451.5**
	7	**454.06**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

S. Miles
Monday, August 29, 2022 14:27 PM

Reveiwed By: **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106235-438** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW235-438-224

Date Sampled: 10/07/2022 **Time Sampled:** 12:18 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW235-438-224
Duplicate ID:
COC#: COC-235-438-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-472 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW235-472-224

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	493.96 ft MRP
Previous Depth to Water (MRP):	**440.39**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	472.00 ft MRP
Length of Screen not submerged (ft):	**-31.61**			Bottom of Screen:	492.00 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 15:06

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
MS/MSD sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	472.7
✓	2	475.28
✓	3	477.86
✓	4	480.44
✓	5	483.02
✓	6	485.6
	7	488.18

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-472 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW235-472-224

Date Sampled: 10/07/2022 **Time Sampled:** 12:36 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							✓
VOCs		✓	✓					✓
BTEX								
BTEXN								
Metals (Dissolved)		✓	✓	✓				✓
Metals (Total)		✓	✓					✓
Alkalinity				✓				✓ SS
Anions		✓						✓ SS
Nitrate / Nitrite			✓	✓				✓ SS

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW235-472-224
Duplicate ID:
COC#: COC-235-472-224

Reveiwed By: Eddie Kerr **Reviewed Date:** 10/10/22

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-501 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW235-501-224

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	522.96 ft MRP
Previous Depth to Water (MRP):	**440.45**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	501.00 ft MRP
Length of Screen not submerged (ft):	**-60.55**			Bottom of Screen:	521.00 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 14:50

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	501.7
✓	2	504.27
✓	3	506.84
	4	509.41
	5	511.98
	6	514.55
	7	517.12

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106235-501** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW235-501-224

Date Sampled: 10/07/2022 **Time Sampled:** 13:06 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW235-501-224
Duplicate ID:
COC#: COC-235-501-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-436 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW236-436-224

Well Information				Well Depth:	462.94	ft MRP
Screen Interval Length (ft):	**25**			Top of Screen:	436.00	ft MRP
Previous Depth to Water (MRP):	**440.35**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Bottom of Screen:	461.00	ft MRP
Length of Screen not submerged (ft):	**4.35**	Water level <5ft above top of screen or screen not submerged				

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 15:45

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 442.13

DMS Tether and Reel ID match Well ID? SM

Notes:

S. Miles
Monday, August 29, 2022 15:44 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**436.7**
	2	**439.27**
	3	**441.84**
✓	**4**	**444.41**
✓	**5**	**446.98**
✓	**6**	**449.55**
	7	**452.12**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kerr **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106236-436** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW236-436-224

Date Sampled: 10/06/2022 **Time Sampled:** 13:51 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW236-436-224
Duplicate ID:
COC#: COC-236-436-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-470 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW236-470-224

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	491.94 ft MRP
Previous Depth to Water (MRP):	**440.36**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	470.00 ft MRP
Length of Screen not submerged (ft):	**-29.64**			Bottom of Screen:	490.00 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 16:03

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	470.7
✓	2	473.27
✓	3	475.84
✓	4	478.41
✓	5	480.98
	6	483.55
	7	486.12

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kress **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-470 *Sampling*

Year: 2022
Quarter: 4
Sample ID: GW236-470-224

Date Sampled: 10/06/2022 Time Sampled: 14:14 Sampling Team: S. Lauricella S. Miles

PID Reading: 0 DMS Tether, Reel, and Well ID's match? (Initial to confirm) SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓ EP	
VOCs	✓						✓ EP	
BTEX								
BTEXN								
Metals (Dissolved)	✓						✓ EP	
Metals (Total)	✓	✓					✓ EP	
Alkalinity	✓	✓					✓ EP	
Anions		✓					✓ EP	
Nitrate / Nitrite		✓					✓ EP	

EP 10/10/22

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW236-470-224
Duplicate ID: GW236-470-624
COC#: COC-236-470-224

Reveiwed By:

Reviewed Date: 10/10/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-499 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW236-499-224

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	521.94 ft MRP
Previous Depth to Water (MRP):	**440.41**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	499.00 ft MRP
Length of Screen not submerged (ft):	**-58.59**			Bottom of Screen:	519.00 ft MRP

Deployment Team: S. Lauricella, S. Miles, T, Watchman

Date Deployed: 08/29/2022 **Time Deployed:** 16:17

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: NA

PID Reading: 0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? SM

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	499.7
✓	2	502.25
✓	3	504.8
	4	507.35
	5	509.9
	6	512.45
	7	515

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106236-499** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW236-499-224

Date Sampled: 10/06/2022 **Time Sampled:** 14:41 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW236-499-224
Duplicate ID:
COC#: COC-236-499-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106240-449 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW240-449-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	491.04 ft MRP
Previous Depth to Water (MRP):	**471.46**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	449.04 ft MRP
Length of Screen not submerged (ft):	**22.42**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	489.04 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 08:25

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 472.43

DMS Tether and Reel ID match Well ID? SM

Notes: Need to replace security bolt

S. Miles
Thursday, September 01, 2022 08:27 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**449.74**
	2	**452.36**
	3	**454.98**
	4	**457.6**
	5	**460.22**
	6	**462.84**
	7	**465.46**
	8	**468.08**
	9	**470.7**
✓	**10**	**473.32**
✓	**11**	**475.94**
✓	**12**	**478.56**
	13	**481.18**
	14	**483.8**
	15	**486.42**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kerr **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106240-449** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW240-449-224

Date Sampled: 10/11/2022 **Time Sampled:** 12:50 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓	✓					
Anions		✓						
Nitrate / Nitrite		✓	✓					

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW240-449-224
Duplicate ID:
COC#: COC-240-449-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106241-428 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW241-428-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	470.10 ft MRP
Previous Depth to Water (MRP):	**449.33**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	428.10 ft MRP
Length of Screen not submerged (ft):	**21.23**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	468.10 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 09/01/2022 **Time Deployed:** 12:15

PID: MiniRAE 3000 - 592-915579 WH0006

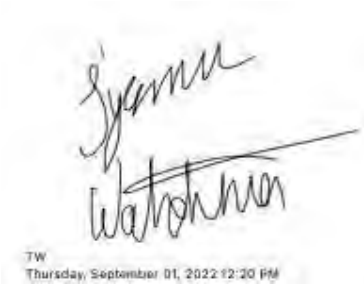
Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 450.89

DMS Tether and Reel ID match Well ID? TW

Notes: Sampler left in well from last quarter was deployed in middle position.



QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
	1	428.8
	2	431.39
	3	433.98
	4	436.57
	5	439.16
	6	441.75
	7	444.34
	8	446.93
	9	449.52
✓	10	452.11
✓	11	454.7
✓	12	457.29
	13	459.88
	14	462.47
	15	465.06

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Rivera **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106241-428** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW241-428-224

Date Sampled: 10/06/2022 **Time Sampled:** 08:15 **Sampling Team:** S. Lauricella S. Miles

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions	✓							
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915579 WH0006

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW241-428-224
Duplicate ID:
COC#: COC-241-428-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/6/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106242-418 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW242-418-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	460.14 ft MRP
Previous Depth to Water (MRP):	**440.56**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	418.14 ft MRP
Length of Screen not submerged (ft):	**22.42**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	458.14 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 09/01/2022 **Time Deployed:** 10:20

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 441.67

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
	1	418.84
	2	421.42
	3	424
	4	426.58
	5	429.16
	6	431.74
	7	434.32
	8	436.9
	9	439.48
	10	442.06
✓	11	444.64
✓	12	447.22
✓	13	449.8
	14	452.38
	15	454.96

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 9/01/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106242-418** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW242-418-224

Date Sampled: 10/26/2022 **Time Sampled:** 10:47 **Sampling Team:** S. Lauricella, C. Ford

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SL

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW242-418-224
Duplicate ID:
COC#: COC-242-418-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/26/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106243-425 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW243-425-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	467.54 ft MRP
Previous Depth to Water (MRP):	**445.38**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	425.04 ft MRP
Length of Screen not submerged (ft):	**20.34**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	465.04 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/30/2022 **Time Deployed:** 12:05

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 446.58

DMS Tether and Reel ID match Well ID? SL

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**425.74**
	2	**428.32**
	3	**430.9**
	4	**433.48**
	5	**436.06**
	6	**438.64**
	7	**441.22**
	8	**443.8**
	9	**446.38**
✓	**10**	**448.96**
✓	**11**	**451.54**
✓	**12**	**454.12**
	13	**456.7**
	14	**459.28**
	15	**461.86**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106243-425** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW243-425-224

Date Sampled: 10/10/2022 **Time Sampled:** 16:30 **Sampling Team:** D. Schmeelk S.Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)		✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW243-425-224
Duplicate ID:
COC#: COC-243-425-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106244-445 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW244-445-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	487.09 ft MRP
Previous Depth to Water (MRP):	**466.99**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	445.09 ft MRP
Length of Screen not submerged (ft):	**21.9**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	485.09 ft MRP

Deployment Team: S. Miles and S. Lauricella

Date Deployed: 08/31/2022 **Time Deployed:** 14:48

PID: MiniRAE 3000 - 592-915790 WH0004

Water Level Meter: Clean - Solinst 500 ft - 253053 WH0012

PID Reading: 0 **ppm**

Depth to Water: 467.79

DMS Tether and Reel ID match Well ID? SM

Notes:

S. Miles
Wednesday, August 31, 2022 14:48 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**445.79**
	2	**448.37**
	3	**450.95**
	4	**453.53**
	5	**456.11**
	6	**458.69**
	7	**461.27**
	8	**463.85**
	9	**466.43**
	10	**469.01**
✓	**11**	**471.59**
✓	**12**	**474.17**
✓	**13**	**476.75**
	14	**479.33**
	15	**481.91**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kerr **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106244-445** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW244-445-224

Date Sampled: 10/11/2022 **Time Sampled:** 13:30 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW244-445-224
Duplicate ID:
COC#: COC-244-445-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106245-460 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW245-460-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	505.67 ft MRP
Previous Depth to Water (MRP):	**485.40**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	463.67 ft MRP
Length of Screen not submerged (ft):	**21.73**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	503.67 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 08:40

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 486.31

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, August 30, 2022 08:41 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**464.37**
	2	**466.95**
	3	**469.53**
	4	**472.11**
	5	**474.69**
	6	**477.27**
	7	**479.85**
	8	**482.43**
	9	**485.01**
✓	**10**	**487.59**
✓	**11**	**490.17**
✓	**12**	**492.75**
✓	**13**	**495.33**
✓	**14**	**497.91**
	15	**500.49**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kleinmann **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106245-460** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW245-460-224

Date Sampled: 10/11/2022 **Time Sampled:** 14:20 **Sampling Team:** D.Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓	
VOCs	✓						✓	
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓					✓	
Metals (Total)			✓				✓	
Alkalinity				✓	✓		✓	
Anions		✓	✓				✓	
Nitrate / Nitrite				✓	✓		✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW245-460-224
Duplicate ID: GW245-460-624
COC#: COC-245-460-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106247-450 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GW247-450-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	495.64 ft MRP
Previous Depth to Water (MRP):	**475.27**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	453.32 ft MRP
Length of Screen not submerged (ft):	**21.95**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	493.32 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 09:50

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 476.13

DMS Tether and Reel ID match Well ID? TW

Notes:

TW
Tuesday, August 30, 2022 09:59 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**454.02**
	2	**456.58**
	3	**459.14**
	4	**461.7**
	5	**464.26**
	6	**466.82**
	7	**469.38**
	8	**471.94**
	9	**474.5**
✓	**10**	**477.06**
✓	**11**	**479.62**
✓	**12**	**482.18**
	13	**484.74**
	14	**487.3**
	15	**489.86**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106247-450 ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GW247-450-224

Date Sampled: 10/11/2022 **Time Sampled:** 15:08 **Sampling Team:** D. Schmeelk S. Talley

PID Reading: 16.8 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓						
Metals (Total)		✓	✓					
Alkalinity			✓					
Anions			✓					
Nitrate / Nitrite			✓					

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes: Moderate HC odor. Used engineering controls to aviod volitile fumes.

Sample ID: GW247-450-224
Duplicate ID:
COC#: COC-247-450-224

Reveiwed By: [signature]

Reviewed Date: 10/12/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106248-452

Project No: 6360401 **Samplers:** D. Schmeelk, S. Talley

Date: 10/03/2022

Well Information

Well was: Clean

SCREEN NOT SUBMERGED on 07/06/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 497.53 ft MRP

Top of Screen: 455.53 ft MRP

Bottom of Screen: 495.53 ft MRP

Reference Elevation Interval: 4857

IDW Label: Green Non-Hazardous

Protective Casing/Vault: Intact

Well Locked/Security Bolt Present: Yes

Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No

LNAPL Thickness: ft

LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 480.92 ft MRP

Depth to Water (DTW): 482.57 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-774

Non-Dedicated Pump Depth 493.50 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW248-452-224

Duplicate ID (if applicable):

COC#: COC-248-452-224

Sampling Method: Low-flow

Sampling Medium: Water

Reviewed By: Initials: EP Review Date: 10/3/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106248-452

Purge Information and Field Parameter

Date: 10/03/2022

Purge Start Time: 11:42 Purge Rate: 840 mL/min X 0.000265 0.2226 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 3.65 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
11:45	482.57	465	19.4	94.5	866	374.4	6.97	242.4
11:50	482.57	22.6	19.7	79.2	7.37	378.9	7.61	213.5
11:55	482.57	6.26	19.7	80.6	7.28	378.8	7.76	194.9
12:00	482.58	3.61	19.7	79	7.3	378.8	7.8	185.3

Sample Time: 12:11 Sample Date: 10/03/2022

Purge End Time: 12:20

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D. Schmeelk Sampler Signature: DS Monday, October 03, 2022 12:37 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.9588	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/3/2022

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 6360401
Date: 10/13/2022
Well ID: KAFB-106249-450
Samplers: S. Miles and L. Beasley

Well Information

Well was Intermediate
SCREEN NOT SUBMERGED on 07/06/2022 (previous gauging date)
Barricade/Notification: N/A
Measurement Reference Point (MRP): TOPC
IDW will be taken to: Pending Analysis Yard

Well Depth: 492.1 ft MRP
Top of Screen: EP 10/18 450.13 ft MRP
Bottom of Screen: EP 10/18 440.13 ft MRP
Reference Elevation Interval: 4857
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact
Well Locked/Security Bolt Present: Yes
Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No
LNAPL Thickness: ft
LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 477.5 ft MRP
Depth to Water (DTW): 478.9 ft MRP

Pump Information

~~Non-Dedicated Pump~~ Dedicated Bladder Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth NA ~~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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW249-450-224
Duplicate ID (if applicable):
COC#: COC-249-450-224

Sampling Method: Low-flow
Sampling Medium: Water

Reviewed By: Initials: EP Review Date: 10/18/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106249-450

Purge Information and Field Parameter

Date: 10/13/2022

Purge Start Time: 09:00 Purge Rate: 120 mL/min X 0.000265 0.0318 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 3.1 EP 10/18 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
09:10	478.9	2.36	18	66	6.59	291.6	8.29	183.6
09:15	478.9	1.24	18.6	70.1	6.34	293.1	8.3	167.1
09:20	478.9	0.89	18.4	66.6	6.42	294.9	8.29	160.3
09:25	478.9	0.9	18.3	58.9	5.98	297.1	8.26	156.5

Sample Time: 09:24 Sample Date: 10/13/2022

Purge End Time: 09:50

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Thursday, October 13, 2022 11:08 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	1.69	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/18/22

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project:	Kirtland AFB BFF ST-106/SS-111	**Well ID:**	KAFB-106250-447
Project No:	6360401	**Samplers:**	S. Miles and L. Beasley
Date:	10/13/2022		

Well Information

Well was: Hazardous
SCREEN NOT SUBMERGED on: 07/06/2022 (previous gauging date)
Barricade/Notification: N/A
Measurement Reference Point (MRP): TOPC
IDW will be taken to: Pending Analysis Yard

Well Depth: ~~440.7~~ 487.65 ft MRP (EP 10/18)
Top of Screen: 447.65 ft MRP
Bottom of Screen: 487.65 ft MRP
Reference Elevation Interval: 4857
IDW Label: White Pending Analysis

Protective Casing/Vault: Intact
Well Locked/Security Bolt Present: Yes
Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No
LNAPL Thickness: _____ ft
LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 474.11 ft MRP
Depth to Water (DTW): 475.22 ft MRP

Pump Information

~~Non-Dedicated Pump~~ X Dedicated Bladder Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth: NA ~~480.00~~ X 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW250-447-224
Duplicate ID (if applicable): _____
COC#: COC-250-447-224

Sampling Method: Low-flow
Sampling Medium: Water

Reviewed By: [signature] Initials: EP Review Date: 10/18/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106250-447

Purge Information and Field Parameter

Date: 10/13/2022

Purge Start Time: 12:10 Purge Rate: 200 mL/min X 0.000265 0.053 gal/min

Description of first water purged: Slightly yellow with a strong hydrocarbon odor

Drawdown Limit: 5.89 EP 10/18 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
12:15	475.22	2	20.8	60.1	6.05	518.2	7.86	174.5
12:20	475.22	1.96	20.6	55.6	4.92	521.6	7.85	174.2
12:25	475.22	1.72	20.3	54.9	5	530.2	7.82	175.3
12:30	475.22	1.75	20.2	61.1	5.1	533.7	7.83	175.2

Sample Time: 12:31 Sample Date: 10/13/2022

Purge End Time: 12:46

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Miles Sampler Signature: S. Miles Thursday, October 13, 2022 12:52 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	2.008	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: Initials: EP Review Date: 10/18/22

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project:	Kirtland AFB BFF ST-106/SS-111	**Well ID:**	KAFB-106251-443
Project No:	6360401	**Samplers:**	S. Miles and L. Beasley
Date:	10/13/2022		

Well Information

Well was Hazardous

SCREEN NOT SUBMERGED on 07/05/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: ~~485.6~~ 486.6 ft MRP

EP 10/18

Top of Screen: 486.6 ft MRP

Bottom of Screen: 486.6 ft MRP

Reference Elevation Interval: 4857

IDW Label: White Pending Analysis

Protective Casing/Vault: Intact

Well Locked/Security Bolt Present: Yes

Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0.1 ppm

LNAPL Present? No

LNAPL Thickness: ft

LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 471.74 ft MRP

Depth to Water (DTW): 472.82 ft MRP

Pump Information

~~Non-Dedicated Pump~~ ✓ Dedicated Bladder Pump

Bennett Pump Serial No: Dedicated pump

Non-Dedicated Pump Depth NA ~~480.00~~ ✓ 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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW251-443-224

Duplicate ID (if applicable):

COC#: COC-251-443-224

Sampling Method: Low-flow

Sampling Medium: Water

Reviewed By: [signature] Initials: EP Review Date: 10/18/22

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106251-443

Purge Information and Field Parameter

Date: 10/13/2022

Purge Start Time: 13:30 Purge Rate: 250 mL/min X 0.000265 0.06625 gal/min

Description of first water purged: Slight hydrocarbon odor and clear

Drawdown Limit: 7.18 EP 10/14 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
13:40	472.82	1.75	18.8	86.7	7.3	326.5	8.16	159.6
13:46	472.82	0.36	18.2	63.7	5.92	322.8	8.14	160.8
13:50	472.82	0.71	18.4	61.6	5.8	321.8	8.15	159.9
13:55	472.82	0.39	18.4	61.7	5.7	361.1	8.07	160.6
14:00	472.82	0.46	18.4	61.3	5.38	383.3	8.1	162.3
14:05	472.82	0.58	18.4	49.4	4.59	421.1	7.66	163.3
14:10	472.82	0.56	18.6	49.8	4.61	433.1	7.61	163.5
14:15	472.82	0.67	18.7	51.8	4.55	431.7	7.59	164.4

Sample Time: 14:16 Sample Date: 10/13/2022

Purge End Time: 14:33

Bubbles in the vials?: No Where? _____ Amount: _____ Size: _____

Sampled by: S. Miles Sampler Signature: S. Miles Thursday, October 13, 2022 14:36 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	4.27375	Pending Analysis Yard	White Pending Analysis

Comments: _____

Reviewed By: [signature] Initials: EP Review Date: 10/18/22

Groundwater Purge and Sampling Log

Year: 2022
Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106252-425
Project No: 6360401
Samplers: D. Schmeelk, S. Talley
Date: 10/03/2022

Well Information

Well was Clean
SCREEN NOT SUBMERGED on 07/06/2022 **(previous gauging date)**
Barricade/Notification: N/A
Measurement Reference Point (MRP): TWV
IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 467 ft MRP
Top of Screen: 425 ft MRP
Bottom of Screen: 465 ft MRP
Reference Elevation Interval: 4857
IDW Label: Green Non-Hazardous

Protective Casing/Vault: Intact
Well Locked/Security Bolt Present: Yes
Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No
LNAPL Thickness: ft
LNAPL Not observed during last gauging event: 7/6/2022

Previous Depth to water: 452.36 ft MRP
Depth to Water (DTW): 453.24 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

Non-Dedicated Pump Depth 463.00 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 - 15K101396 WH0001
PID	No PID available
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID: GW252-425-224
Duplicate ID (if applicable):
COC#: COC-252-425-224

Sampling Method: Low-flow
Sampling Medium: Water

Reviewed By: Initials: EP Review Date: 10/3/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106252-425

Purge Information and Field Parameter

Date: 10/03/2022

Purge Start Time: 14:35 Purge Rate: 780 mL/min X 0.000265 0.2067 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 3.16 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
14:40	453.28	0.78	26.6	71.6	5.93	12.2	4.08	245.3
14:45	453.28	3.21	24.2	82.5	6.9	636	7.38	233
14:50	453.28	3	23.4	81.6	6.93	600	7.68	218.7
14:55	453.28	2.01	22.7	80.6	6.83	574	7.75	209.2

Sample Time: 15:00 Sample Date: 10/03/2022

Purge End Time: 15:11

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: D. Schmeelk Sampler Signature: DS Monday, October 03, 2022 16:26 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.9412	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: SVM team needed PID

Reviewed By: Initials: EP Review Date: 10/3/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S1-447 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GWS1-447-224

Well Information

Screen Interval Length (ft):	**40**			Well Depth:	489.99 ft MRP
Previous Depth to Water (MRP):	**468.72**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	447.00 ft MRP
Length of Screen not submerged (ft):	**21.72**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	487.00 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 10:30

PID: MiniRAE 3000 - 592-915579 WH0006

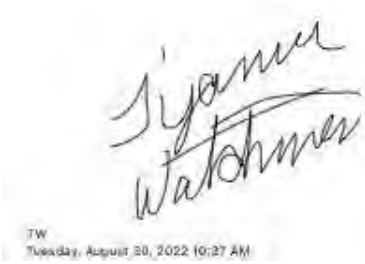
Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 469.65

DMS Tether and Reel ID match Well ID? TW

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**447.7**
	2	**450.26**
	3	**452.82**
	4	**455.38**
	5	**457.94**
	6	**460.5**
	7	**463.06**
	8	**465.62**
	9	**468.18**
✓	**10**	**470.74**
✓	**11**	**473.3**
✓	**12**	**475.86**
	13	**478.42**
	14	**480.98**
	15	**483.54**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S1-447** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GWS1-447-224

Date Sampled: 10/13/2022 **Time Sampled:** 14:00 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 6.4 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes: Used engineering controls to mitigate exposure to volitile fumes

Sample ID: GWS1-447-224
Duplicate ID:
COC#: COC-S1-447-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/14/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S2-451 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GWS2-451-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	496.90 ft MRP
Previous Depth to Water (MRP):	**476.16**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	454.23 ft MRP
Length of Screen not submerged (ft):	**21.93**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	494.23 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 14:00

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 477.06

DMS Tether and Reel ID match Well ID? TW

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**454.93**
	2	**457.51**
	3	**460.09**
	4	**462.67**
	5	**465.25**
	6	**467.83**
	7	**470.41**
	8	**472.99**
	9	**475.57**
✓	**10**	**478.15**
✓	**11**	**480.73**
✓	**12**	**483.31**
	13	**485.89**
	14	**488.47**
	15	**491.05**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiss **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S2-451** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GWS2-451-224

Date Sampled: 10/13/2022 **Time Sampled:** 08:55 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓						
Metals (Total)	✓	✓						
Alkalinity	✓	✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS2-451-224
Duplicate ID:
COC#: COC-S2-451-224

Reveiwed By: Eddie Kiesz **Reviewed Date:** 10/13/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S3-449 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GWS3-449-224

Well Information				Well Depth:	494.42 ft MRP
Screen Interval Length (ft):	**40**			Top of Screen:	452.18 ft MRP
Previous Depth to Water (MRP):	**475.41**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Bottom of Screen:	492.18 ft MRP
Length of Screen not submerged (ft):	**23.23**	Water level <5ft above top of screen or screen not submerged			

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 14:20

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 476.3

DMS Tether and Reel ID match Well ID? DS

Notes:

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

Sampler Number:	Top of Sampler Depth (MRP)
1	452.88
2	455.46
3	458.04
4	460.62
5	463.2
6	465.78
7	468.36
8	470.94
9	473.52
10	476.1
✓ 11	478.68
✓ 12	481.26
✓ 13	483.84
14	486.42
15	489

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: [signature]

Reviewed Date: 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S3-449** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GWS3-449-224

Date Sampled: 10/13/2022 **Time Sampled:** 08:00 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS3-449-224
Duplicate ID:
COC#: COC-S3-449-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/13/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S4-446 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GWS4-446-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	491.73 ft MRP
Previous Depth to Water (MRP):	**470.25**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	449.23 ft MRP
Length of Screen not submerged (ft):	**21.02**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	489.23 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 09:20

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0 **ppm**

Depth to Water: 471.17

DMS Tether and Reel ID match Well ID? TW

Notes: Sampler from last quarter placed at top position

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
MS/MSD sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
	1	449.93
	2	452.52
	3	455.11
	4	457.7
	5	460.29
	6	462.88
	7	465.47
	8	468.06
	9	470.65
✓	10	473.24
✓	11	475.83
✓	12	478.42
✓	13	481.01
✓	14	483.6
✓	15	486.19

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

TW
Tuesday, August 30, 2022 09:29 AM

Reveiwed By: **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S4-446** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GWS4-446-224

Date Sampled: 10/10/2022 **Time Sampled:** 17:20 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							✓
VOCs	✓	✓						✓
BTEX								
BTEXN								
Metals (Dissolved)		✓	✓					✓
Metals (Total)			✓					✓
Alkalinity			✓					
Anions			✓					
Nitrate / Nitrite			✓					

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GWS4-446-224
Duplicate ID:
COC#: COC-S4-446-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/11/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S5-446 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GWS5-446-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	488.32 ft MRP
Previous Depth to Water (MRP):	**467.53**	**(Gauged on 07/06/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	446.08 ft MRP
Length of Screen not submerged (ft):	**21.45**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	486.08 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 10:40

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 468.61

DMS Tether and Reel ID match Well ID? DS

Notes:

TW
Wednesday, August 31, 2022 10:47 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	Alkalinity Anions Dissolved Fe, Mn EDB NO3/NO-N Total As,Pb,Ca,K,Mg,Na VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**446.78**
	2	**449.36**
	3	**451.94**
	4	**454.52**
	5	**457.1**
	6	**459.68**
	7	**462.26**
	8	**464.84**
	9	**467.42**
✓	**10**	**470**
✓	**11**	**472.58**
✓	**12**	**475.16**
✓	**13**	**477.74**
✓	**14**	**480.32**
	15	**482.9**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By:

Reviewed Date: 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S5-446** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GWS5-446-224

Date Sampled: 10/14/2022 **Time Sampled:** 08:50 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓						✓	
VOCs	✓						✓	
BTEX								
BTEXN								
Metals (Dissolved)	✓	✓					✓	
Metals (Total)		✓	✓				✓	
Alkalinity			✓	✓			✓	
Anions					✓		✓	
Nitrate / Nitrite				✓			✓	

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS5-446-224
Duplicate ID: GWS5-446-624
COC#: COC-S5-446-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/14/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S7-451 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GWS7-451-224

Well Information

Screen Interval Length (ft):	**40**			Well Depth:	492.60 ft MRP
Previous Depth to Water (MRP):	**472.99**	**(Gauged on 07/07/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	451.00 ft MRP
Length of Screen not submerged (ft):	**21.99**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	491.00 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/31/2022 **Time Deployed:** 10:10

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 473.97

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed two extra samplers on bottom two positions, to test sampler prototypes sent to us by EON.

QC Sample notes (if blank, no QC samples required):	Analyte(s):
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	Top of Sampler Depth (MRP)
	1	451.7
	2	454.27
	3	456.84
	4	459.41
	5	461.98
	6	464.55
	7	467.12
	8	469.69
	9	472.26
✓	10	474.83
✓	11	477.4
✓	12	479.97
✓	13	482.54
✓	14	485.11
	15	487.68

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kiesz **Reviewed Date:** 8/31/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S7-451** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GWS7-451-224

Date Sampled: 10/14/2022 **Time Sampled:** 08:00 **Sampling Team:** D. Schmeelk, S.Talley

PID Reading: 1 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep)							
	1	2	3	4	5	6	Dup?	MS/MSD?
EDB		✓						
VOCs		✓						
BTEX								
BTEXN								
Metals (Dissolved)		✓						
Metals (Total)		✓	✓					
Alkalinity			✓					
Anions			✓					
Nitrate / Nitrite			✓					

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes: Sample taken from second and third sampler becuase top sampler was only half way submerged.

Sample ID: GWS7-451-224
Duplicate ID:
COC#: COC-S7-451-224

Reveiwed By: Eddie Kiss **Reviewed Date:** 10/14/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S8-451 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GWS8-451-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	494.22 ft MRP
Previous Depth to Water (MRP):	**475.04**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	454.22 ft MRP
Length of Screen not submerged (ft):	**20.82**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	494.22 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 11:00

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 476

DMS Tether and Reel ID match Well ID? TW

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**449**
	2	**451.57**
	3	**454.14**
	4	**456.71**
	5	**459.28**
	6	**461.85**
	7	**464.42**
	8	**466.99**
	9	**469.56**
	10	**472.13**
	11	**474.7**
✓	**12**	**477.27**
✓	**13**	**479.84**
✓	**14**	**482.41**
	15	**484.98**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S8-451** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GWS8-451-224

Date Sampled: 10/13/2022 **Time Sampled:** 14:30 **Sampling Team:** D. Schmeelk, S. Talley

PID Reading: 0.5 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity		✓						
Anions		✓						
Nitrate / Nitrite		✓						

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS8-451-224
Duplicate ID:
COC#: COC-S8-451-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/14/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S9-447 ***Deployment***

Year: 2022
Quarter: 4
Sample ID: GWS9-447-224

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	489.49 ft MRP
Previous Depth to Water (MRP):	**469.70**	**(Gauged on 07/05/2022)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	447.12 ft MRP
Length of Screen not submerged (ft):	**22.58**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	487.12 ft MRP

Deployment Team: D.Schmeelk, T.Watchman

Date Deployed: 08/30/2022 **Time Deployed:** 12:40

PID: MiniRAE 3000 - 592-915579 WH0006

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0 **ppm**

Depth to Water: 470.73

DMS Tether and Reel ID match Well ID? DS

Notes:

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	Alkalinity
	Anions
	Dissolved Fe, Mn
	EDB
	NO3/NO-N
	Total As,Pb,Ca,K,Mg,Na
	VOCs

	Sampler Number:	**Top of Sampler Depth (MRP)**
	1	**447.82**
	2	**450.37**
	3	**452.92**
	4	**455.47**
	5	**458.02**
	6	**460.57**
	7	**463.12**
	8	**465.67**
	9	**468.22**
	10	**470.77**
✓	**11**	**473.32**
✓	**12**	**475.87**
✓	**13**	**478.42**
	14	**480.97**
	15	**483.52**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent sampler positions submerged based on previous water level

Reveiwed By: Eddie Kirsch **Reviewed Date:** 8/30/2022

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106S9-447** ***Sampling***

Year: 2022
Quarter: 4
Sample ID: GWS9-447-224

Date Sampled: 10/13/2022 **Time Sampled:** 10:31 **Sampling Team:** D.Schmeelk, S. Talley

PID Reading: 0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** ST

Type of Analysis	Sampler Number (shallow to deep) 1	2	3	4	5	6	Dup?	MS/MSD?
EDB	✓							
VOCs	✓							
BTEX								
BTEXN								
Metals (Dissolved)	✓							
Metals (Total)	✓	✓						
Alkalinity			✓					
Anions		✓						
Nitrate / Nitrite		✓	✓					

PID Model – SN – WH#: MiniRAE 3000 - 592-915778 WH0005

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS9-447-224
Duplicate ID:
COC#: COC-S9-447-224

Reveiwed By: Eddie Kress **Reviewed Date:** 10/13/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106S10-443

Project No: 6360401 **Samplers:** S. Miles and C. Ford

Date: 10/24/2022

Well Information

Well was Hazardous

SCREEN NOT SUBMERGED on 07/05/2022 **(previous gauging date)**

Barricade/Notification: N/A

Measurement Reference Point (MRP): TOPC

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Well Depth: 520.03 ft MRP

Top of Screen: 445.03 ft MRP

Bottom of Screen: 486.03 ft MRP

Reference Elevation Interval: 4857

IDW Label: Orange Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 1134 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 472.09 ft MRP Depth to Water (DTW): 473.15 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-699

Non-Dedicated Pump Depth 484.00 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GWS10-443-224 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-S10-443-224

Reviewed By: Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106S10-443

Purge Information and Field Parameter

Date: 10/24/2022

Purge Start Time: 10:04 Purge Rate: 920 mL/min X 0.000265 0.2438 gal/min

Description of first water purged: Grey with strong hydrocarbon odor

Drawdown Limit: 3.48 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	------	**if > 10, ±10%**	**±10%**	------	**±10%**	**±10%**	**±0.5**	------
10:05	473.15	2.25	18.3	28.8	2.54	838	6.46	103.7
10:10	473.15	2.03	18.6	5.2	0.48	829	6.67	-0.5
10:15	473.15	1.12	18.7	3.6	0.33	729	6.76	-46.9
10:20	473.15	3.31	18.8	3.3	0.3	825	6.78	-68.3
10:25	473.15	1.86	18.9	2.9	0.26	826	6.77	-76.8
10:30	473.15	2.24	18.9	2.5	0.23	824	6.77	-84.2
10:35	473.15	3.77	18.8	2.3	0.2	826	6.77	-87.9
10:40	473.15	2.09	18.6	1.5	0.16	824	6.77	-90.4
10:45	473.15	1.49	18.5	1.5	0.15	790	6.77	-92.6
10:50	473.15	3.6	18.7	1.6	0.14	791	6.76	-93.7
10:55	473.15	1.72	18.7	1.3	0.12	803	6.76	-95.6
11:00	473.15	1.91	18.8	1.3	0.11	801	6.76	-96.5
11:05	473.15	2.61	18.8	1.2	0.11	835	6.76	-96.8

Sample Time: 11:11 Sample Date: 10/24/2022

Purge End Time: 11:20

Bubbles in the vials?: No Where? _____ Amount: _____ Size: _____

Sampled by: C. Ford Sampler Signature: S. Miles Monday, October 24, 2022 12:16 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	23.5288	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: Used engineering controls to mitigate exposure to VOC fumes - Per field team

Reviewed By: _____ Initials: EP Review Date: 10/24/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-3411

Project No: 6360401 **Samplers:** D. Schmeelk, S. Talley

Date: 10/07/2022

Well Information

Well was	Clean	Well Depth:	506.06 ft MRP
SCREEN SUBMERGED on	**07/05/2022** **(previous gauging date)**	Top of Screen:	480.06 ft MRP
Barricade/Notification:	N/A	Bottom of Screen:	505.06 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

Protective Casing/Vault: Intact Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurement at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 7/5/2022

Previous Depth to water: 466.82 ft MRP Depth to Water (DTW): 468.1 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-743

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 - 15K101396 WH0001
PID	MiniRAE 3000 - 592-915778 WH0005
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 15100C044633 WH0009

Sample Information

Sample ID:	GW3411-224	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-3411-224		

Reviewed By: Initials: EP Review Date: 10/7/2022

Groundwater Purge and Sampling Log

Year: 2022

Quarter: 4

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-3411

Purge Information and Field Parameter

Date: 10/07/2022

Purge Start Time: 08:07 Purge Rate: 640 mL/min X 0.000265 0.1696 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 13.24 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
08:15	468.08	0.34	16.9	17	1.64	260.5	7.84	159.7
08:20	468.08	0.21	17.2	16.1	1.54	261.8	7.89	131.6
08:25	468.08	0.24	17.4	15.6	1.5	262.4	7.89	122.5
08:30	468.08	0.14	17.7	15.2	1.42	262.3	7.89	116.1

Sample Time: 08:36 Sample Date: 10/07/2022

Purge End Time: 08:46

Bubbles in the vials?: No Where? Amount: Size:

Sampled by: S. Talley Sampler Signature: DS Friday, October 07, 2022 09:24 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.1144	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: EP Review Date: 10/7/2022

YSI Professional Plus Log

Serial # **15K101396** **(WH0001)**

Project: Kirtland AFB BFF ST-106/SS-111

Year: 2022

Quarter: 4

Date	Cal or Bump	pH 4.00	pH 7.00	pH 10.00	ORP (220 mV)	Sp. Conductivity (1413 µS/cm)	Measured DO (% Sat)	Barometer (mm Hg)	100% DO Sat Adjusted for Barometric Pressure	Initials
Calibration Tolerances:		+/- 0.2 pH Units			+/- 20 mV Standard	+/- 0.5% of Standard	+/- 2% of the Adjusted DO Value	N/A	N/A	N/A
10-3-2022	Cal	3.99	7.03	10.10	221.9	1408	83.0	631.0	83.0	SM
10-4-2022	Cal	3.99	7.09	10.12	220.1	1417	82.9	628.3	82.8	DS
10-5-2022	Cal	3.99	7.05	10.10	219.9	1405	82.8	629.6	82.8	DS
10-6-2022	Cal	3.99	7.04	10.10	221.8	1401	83.2	632.2	83.2	DS
10-7-2022	Cal	3.99	7.07	10.09	220.4	1403	83.3	631.4	83.3	SM
10-10-22	Cal	3.97	7.06	10.13	222.2	1398	83.1	630.5	83.0	SM
10-11-22	Cal	3.99	7.05	10.12	224.1	1403	83.1	628.2	82.7	SM
10-12-22	Cal	3.98	7.09	10.12	224.5	1397	82.8	629.6	82.8	SM
10-13-22	Cal	3.98	7.05	10.13	226.0	1414	83.0	629.8	82.9	SM
10-14-22	Cal	3.99	7.06	10.17	220.4	1410	82.6	627.6	82.6	DS
10-17-22	Cal	3.91	7.06	10.16	220.3	1418	83.1	631.3	82.9	DS
10-18-22	Cal	4.01	7.04	10.16	217.9	1419	83.5	632.3	82.2	DS
10-19-22	Cal	4.00	7.12	10.18	214.6	1390	83.3	633.5	83.4	DS
10-20-22	Cal	3.99	7.05	10.11	214.9	1398	83.0	631.1	83.0	DS
10-21-22	Cal	3.96	7.05	10.13	213.6	1443	82.6	627.7	82.6	SM
10-24-22	Cal	3.98	7.05	10.08	227.1	1421	81.7	621.6	81.8	SM
10-25-22	Cal	3.96	7.05	10.14	220.0	1414	82.8	629.3	82.4	SM

* Calibrate all parameters weekly. Bump check all parameters daily and re-calibrate if values are out of tolerance.

* 100% DO Sat =100 x (Barometric Pressure in mmHg/760)

YSI Professional Plus Log

Serial # 15K101396 (WH0001)

Project: Kirtland AFB BFF ST-106/SS-111

Year: 2022

Quarter: 4

Date	Cal or Bump	pH 4.00	pH 7.00	pH 10.00	ORP (220 mV)	Sp. Conductivity (1413 µS/cm)	Measured DO (% Sat)	Barometer (mm Hg)	100% DO Sat Adjusted for Barometric Pressure	Initials
Calibration Tolerances:		+/- 0.2 pH Units			+/- 20 mV Standard	+/- 0.5% of Standard	+/- 2% of the Adjusted DO Value	N/A	N/A	N/A
10-26-2022	Cal	3.99	7.04	10.13	219.9	1409	82.2	624.6	82.2	DS
12-1-22	LDC	4.03	7.00	10.10	226.9	1412	~~82.5~~	628.3	82.5	SR

* Calibrate all parameters weekly. Bump check all parameters daily and re-calibrate if values are out of tolerance.

* 100% DO Sat =100 x (Barometric Pressure in mmHg/760)

YSI Professional Plus Log

Serial # 18L100378 **(WH0003)**

Project: Kirtland AFB BFF ST-106/SS-111

Year: 2022

Quarter: 4

Date	Cal or Bump	pH 4.00	pH 7.00	pH 10.00	ORP (220 mV)	Sp. Conductivity (1413 µS/cm)	Measured DO (% Sat)	Barometer (mm Hg)	100% DO Sat Adjusted for Barometric Pressure	Initials
Calibration Tolerances:		+/- 0.2 pH Units			+/- 20 mV Standard	+/- 0.5% of Standard	+/- 2% of the Adjusted DO Value	N/A	N/A	N/A
~~10-3-2022~~	~~Cal~~									
10-4-2022	CAL	4.00	7.10	10.02	218.6	1413	83.4	632.3	83.3	[illegible]
10-14-2022	Cal	4.01	7.05	10.12	218.6	1413	82.7	627.9	82.6	DS
10-17-2022	Cal	4.02	7.06	10.17	218.2	1418	83.1	631.6	83.1	DS
10-18-2022	Cal	4.00	7.04	10.11	211.1	1417	83.1	631.9	83.1	DS
10-19-2022	Cal	4.00	7.05	10.01	219.0	1392	83.4	633.8	83.4	DS
10-20-2022	Cal	4.01	7.04	10.02	~~204.0~~ 219.1	1390	83.1	631.4	83.1	[illegible]
10-21-2022	Cal	4.02	7.04	10.17	218.2	1414	82.6	628.1	82.6	[illegible]
10-24-2022	Cal	4.01	7.02	10.00	224.6	1418	81.8	621.9	81.8	[illegible]
10-25-2022	Cal	4.00	7.07	10.17	211.2	1420	82.9	629.7	82.5	[illegible]
11-1-2022	cal	4.00	7.03	10.00	215.7	1418	83.1	629.9	91.8	DO
11-3-2022	cal	4.01	6.99	9.98	218.1	1419	82.1	623.2	82	TW
12-1-2022	Cal	4.03	7.00	10.00	217.4	1414	82.7	628.5	82.7	[illegible]

* Calibrate all parameters weekly. Bump check all parameters daily and re-calibrate if values are out of tolerance.

* 100% DO Sat =100 x (Barometric Pressure in mmHg/760)

Rae Systems MiniRAE 3000 PID Log

Serial # **592-915778** **(WH0005)**

Year: 2022

Project: Kirtland AFB BFF ST-106/SS-111

Quarter: 4

Date	Cal or Bump	0 ppm	100 ppm	Initials
Calibration Tolerances:		+/- 10% of standard value		N/A
10-3-2022	Cal	0.0	100.3	SM
10-6-2022	Cal	0.0	100.1	DS
10-7-2022	Bump	0.0	100.5	DS
10-10-2022	Cal	0.0	100.0	DS
10-11-2022	Bump	0.0	100.0	DS
10-12-2022	Bump	0.0	98.5	DS
10-13-2022	Bump	0.0	99.7	DS
10-14-2022	Bump	0.0	98.2	ST
10-17-2022	Cal	0.0	100.0	DS
10-~~24~~ 25-2022	Cal	0.0	100.1	DS
10-25-2022	Cal	0-0	100-0	Bw
10-27-2022	Bump	0.0	97.1	DS
12-21-2022	Bump	0.0	98.6	SM
12-22-2022	Bump	0.0	99.2	SM
12-23-2022	Bump	0.0	96.4	SM

* Calibrate all parameters weekly. Bump check all parameters daily and re-calibrate if values are out of tolerance.

Rae Systems MiniRAE 3000 PID Log

Serial # **592-915579** **(WH0006)**

Year: 2022

Project: Kirtland AFB BFF ST-106/SS-111

Quarter: 4

Date	Cal or Bump	0 ppm	100 ppm	Initials
Calibration Tolerances:		+/- 10% of standard value		N/A
10-3-2022	Cal	0.0	100.3	SM
10-4-2022	Bump	0.0	102.5	DS
10-5-2022	Bump	0.0	102.0	DS
10-6-2022	Bump	0.0	101.1	SM
10-7-2022	Bump	0.0	103.1	DS
10-10-2022	Cal	0.0	100.1	DS
10-11-2022	Bump	0.0	100.3	DS
10-12-2022	Bump	0.0	100.0	DS
10-13-2022	Bump	0.0	99.9	DS
10-14-2022	Bump	0.0	99.8	ST
10-18-2022	Cal	0.0	96.7	DS
10-19-2022	Bump	0.0	96.5	DS
10-20-2022	Bump	0.0	99.7	DS
10-21-2022	Bump	0.0	100.6	SM
10-24-2022	Cal	0.0	100.0	DS
10-25-2022	cal	0.0	100.1	RW
10-27-2022	Bump	0.0	95.5	DS
11-29-2022	Bump	0.0	100.1	SL

* Calibrate all parameters weekly. Bump check all parameters daily and re-calibrate if values are out of tolerance.

Rae Systems MiniRAE 3000 PID Log

Serial # 592-915579 (WH0006)

Year: 2022

Project: Kirtland AFB BFF ST-106/SS-111

Quarter: 4

Date	Cal or Bump	0 ppm	100 ppm	Initials
Calibration Tolerances:		+/- 10% of standard value		N/A
11-28-22	CAL	0.0	100.0	SC
11-30-22	Bump	0.0		[signature]
12-1-22	CAL	0.0	100.1	SC
12-2-22	Bump	0.0	100.0	JK
12-6-22	Bump	0.0	100.6	[signature]
12-8-22	Bump	0.0	101.3	[signature]
12-15-22	CAL	0.0	101.8	JK

* Calibrate all parameters weekly. Bump check all parameters daily and re-calibrate if values are out of tolerance.

Rae Systems MiniRAE 3000 PID Log

Serial # 592-915790 **(WH0004)**

Year: 2022

Project: Kirtland AFB BFF ST-106/SS-111

Quarter: 4

Date	Cal or Bump	0 ppm	100 ppm	Initials
Calibration Tolerances:		+/- 10% of standard value		N/A
10-17-2022	Cal	0.0	100.9	DS
10-18-2022	Bump	0.0	100.1	DS
10-19-2021	Bump	0.0	100.2	DS
10-20-2022	Bump	0.0	100.1	DS
10-21-2022	Bump	0.0	101.2	SM
10-24-2022	Cal	0.0	100.5	DS
10-25-2022	Bump	0.0	100.4	DS
10-26-2022	CAL	0.0	100.0	RW
10-27-2022	Bump	0.0	105.5	DS
10-28-2022	Bump	0.0	104.2	DS
11-22-22	CAL	0.0	100.7	SR
11-22-22	Bump	0.0	100.0	SR
12-5-22	CAL	0.0	100.7	JK
12-6-22	Bump	0.0	101.2	SM
12-7-22	CAL	0.0	103.1	JK
12-8-22	Bump	0.0	105.2	J.K
12-9-22	CAL	0.0	97.8	J.K.

* Calibrate all parameters weekly. Bump check all parameters daily and re-calibrate if values are out of tolerance.

Hach 2100Q Portable Turbidimeter Log

Serial # **15100C045025** **(WH0007)** Year: 2022

Project: Kirtland AFB BFF ST-106/SS-111 Quarter: 4

Date	Bump or Cal	20 NTU	100 NTU	800 NTU	10 NTU	Initials
Calibration Tolerance:		+/- 10% of Standard Value				N/A
10-3-2022	Bump	20.5	101	771	9.69	PF
10-4-2022	CAL	19.7	101	803	9.81	DS
10-14-2022	Bump	19.7	101	789	9.67	DS
10-17-2022	Bump	19.6	103	792	9.56	TW
10-24-2022	Bump	19.6	103	816	9.62	DS
12/27/22	Bump	19.9	101	784 ~~9.66~~	9.66	PF

*Calibrate Instrument every three months, bump check weekly and re-calibrate if values are out of tolerance.

Hach 2100Q Portable Turbidimeter Log

Serial # 15100C044633 (WH0009)

Year: 2022

Project: Kirtland AFB BFF ST-106/SS-111

Quarter: 4

Date	Bump or Cal	20 NTU	100 NTU	800 NTU	10 NTU	Initials
Calibration Tolerance:		+/- 10% of Standard Value				N/A
10-3-2022	Cal	18.7	96.5	771	9.83	DS
10-17-2022	Bump	21.8	108	794	11.0	TLJ
10-24-2022	Bump	20.9	100	804	9.96	DS
10-12-2022	Cal	20.7	99.2	804	9.87	SL

*Calibrate Instrument every three months, bump check weekly and re-calibrate if values are out of tolerance.

QRAE II Multi-Gas Detector Log

WH0539

Serial # 181-217279 ~~(WH0027)~~

Project: Kirtland AFB BFF ST-106/SS-111

Year: 2022

Quarter: 4

Date	Test	O_2 (18%)	CH_4 (2.5% [50% LEL])	H_2S (10 ppm)	CO (50 ppm)	Initials
12/6/22	Bump	Pass	→	→	→	PF
12/7/22						
12/20/22	Cal	18	50	10	50	TW

Test: Mark if calibration or bump test was performed.

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4857/4838	4/27/2021	483-508	4859-4834	Portable pump	Yes	485	—	—	4877.15	EDB, metals, anions, alkalinity, FP
	4857/4838	10/25/2021	483-508	4859-4834	Portable pump	Yes	483-487	—	—	4875.34	EDB, VOCs, metals, anions, alkalinity, FP
	4857/4838	4/12/2022	483-508	4859-4834	Portable pump	Yes	483-487	—	—	4876.67	EDB, metals, anions, alkalinity, FP
KAFB-106001	4857/4838	10/19/2022	483-508	4859-4834	Portable pump	Yes	483-487	—	—	4875.77	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/15/2021	479-504	4861-4836	Dedicated pump	Yes	492	—	—	4877.34	EDB, metals, anions, alkalinity, FP
	4857	10/28/2021	479-504	4861-4836	Dedicated pump	Yes	490-494	—	—	4875.70	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/21/2022	479-504	4861-4836	Portable pump	Yes	479-483	—	—	4877.16	EDB, metals, anions, alkalinity, FP
KAFB-106002	4857	10/24/2022	479-504	4861-4836	Dedicated pump	Yes	479-483	—	—	4875.36	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/7/2021	476-501	4861-4836	Portable pump	Yes	478	—	—	4877.64	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/8/2021	476-501	4861-4836	Portable pump	Yes	478	—	—	4877.19	BTEX, EDB, FP
	4857	10/12/2021	476-501	4861-4836	Portable pump	Yes	476-480	—	—	4876.26	EDB, VOCs, metals, anions, alkalinity, FP
	4857	1/12/2022	476-501	4861-4836	Portable pump	Yes	476-480	—	—	4876.19	BTEX, EDB, FP
	4857	4/13/2022	476-501	4861-4836	Portable pump	Yes	476-480	—	—	4877.36	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/8/2022	476-501	4861-4836	Portable pump	Yes	476-480	—	—	4877.20	BTEX, EDB, FP
KAFB-106003	4857	10/6/2022	476-501	4861-4836	Portable pump	Yes	476-480	—	—	4875.79	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/8/2021	484-509	4859-4834	Portable pump	Yes	486	—	—	4877.03	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/12/2021	484-509	4859-4834	Portable pump	Yes	486	—	—	4876.54	BTEX, EDB, FP
	4857	10/12/2021	484-509	4859-4834	Portable pump	Yes	484-488	—	—	4875.41	EDB, VOCs, metals, anions, alkalinity, FP
	4857	1/13/2022	484-509	4859-4834	Portable pump	Yes	484-488	—	—	4875.82	BTEX, EDB, FP
	4857	4/14/2022	484-509	4859-4834	Portable pump	Yes	484-488	—	—	4876.95	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/12/2022	484-509	4859-4834	Portable pump	Yes	484-488	—	—	4876.61	BTEX, EDB, FP
KAFB-106004	4857	10/5/2022	484-509	4859-4834	Portable pump	Yes	484-488	—	—	4875.48	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/22/2021	479-504	4865-4840	Portable pump	Yes	481	0.01	4877.06	4877.06	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/15/2021	479-504	4865-4840	Portable pump	Yes	481	0.04	4876.54	4876.53	BTEX, EDB, metals, anions, alkalinity,FP
	4857	10/26/2021	479-504	4865-4840	Portable pump	Yes	479-483	0.04	4875.14	4875.13	EDB, VOCs, metals, anions, alkalinity, FP
	4857	1/13/2022	479-504	4865-4840	Portable pump	Yes	479-483	Trace	4875.29	4875.29	BTEX, EDB, metals, anions, alkalinity, FP
	4857	4/19/2022	479-504	4865-4840	Portable pump	Yes	479-483	Trace	4876.81	4876.81	BTEX, EDB, metals, anions, alkalinity,FP
	4857	7/13/2022	479-504	4865-4840	Portable pump	Yes	479-483	0.04	4876.47	4876.46	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106005	4857	10/20/2022	479-504	4865-4840	Portable pump	Yes	479-483	—	—	4875.02	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/23/2021	484-509	4865-4840	Portable pump	Yes	486	—	—	4876.86	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/22/2021	484-509	4865-4840	Portable pump	Yes	484-488	—	—	4875.05	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/13/2022	484-509	4865-4840	Portable pump	Yes	484-488	—	—	4876.47	BTEX, EDB, metals, anions, alkalinity,FP
KAFB-106006	4857	10/21/2022	484-509	4865-4840	Portable pump	Yes	484-488	—	—	4874.92	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/14/2021	484-509	4861-4836	Portable pump	Yes	486	—	—	4876.92	EDB, metals, anions, alkalinity, FP
	4857	10/18/2021	484-509	4861-4836	Portable pump	Yes	484-488	—	—	4875.24	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/20/2022	484-509	4861-4836	Portable pump	Yes	484-488	—	—	4876.54	EDB, metals, anions, alkalinity, FP
KAFB-106007	4857	10/17/2022	484-509	4861-4836	Portable pump	Yes	484-488	—	—	4875.05	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/21/2021	486-511	4863-4838	Portable pump	Yes	488	—	—	4876.90	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/25/2021	486-511	4863-4838	Portable pump	Yes	486-490	—	—	4875.02	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/18/2022	486-511	4863-4838	Portable pump	Yes	486-490	—	—	4876.59	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106008	4857	10/19/2022	486-511	4863-4838	Portable pump	Yes	486-490	—	—	4874.82	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/28/2021	480-505	4865-4840	Portable pump	Yes	482	—	—	4876.84	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/14/2021	480-505	4865-4840	Portable pump	Yes	482	—	—	4876.43	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/21/2021	480-505	4865-4840	Portable pump	Yes	480-484	—	—	4874.97	EDB, VOCs, metals, anions, alkalinity, FP
	4857	1/11/2022	480-505	4865-4840	Portable pump	Yes	480-484	—	—	4875.39	BTEX, EDB, metals, anions, alkalinity, FP
	4857	4/11/2022	480-505	4865-4840	Portable pump	Yes	480-484	—	—	4876.65	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/14/2022	480-505	4865-4840	Portable pump	Yes	480-484	—	—	4876.34	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106009	4857	10/20/2022	480-505	4865-4840	Portable pump	Yes	480-484	—	—	4875.38	EDB, VOCs, metals, anions, alkalinity, FP

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4857	4/21/2021	483-508	4860-4835	Portable pump	Yes	485	—	—	4876.68	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/22/2021	483-508	4860-4835	Portable pump	Yes	483-487	—	—	4874.46	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/15/2022	483-508	4860-4835	Portable pump	Yes	483-487	—	—	4876.20	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106010	4857	10/18/2022	483-508	4860-4835	Portable pump	Yes	483-487	—	—	4874.77	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/2/2021	486-511	4864-4839	Dedicated pump	Yes	499	—	—	4876.49	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/26/2021	486-511	4864-4839	Dedicated pump	Yes	496-500	—	—	4874.57	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/8/2022	486-511	4864-4839	Dedicated pump	Yes	496-500	—	—	4876.40	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106011	4857	10/14/2022	486-511	4864-4839	Dedicated pump	Yes	496-500	—	—	4874.33	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/14/2021	466-495	4877-4847	Portable pump	Yes	468	—	—	4876.84	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/8/2021	466-495	4877-4847	Portable pump	Yes	468	—	—	4876.33	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/15/2021	466-495	4877-4847	Portable pump	No	491-495	—	—	4875.11	EDB, VOCs, metals, anions, alkalinity, FP
	4857	1/11/2022	466-495	4877-4847	Portable pump	No	491-495	—	—	4875.31	BTEX, EDB, metals, anions, alkalinity, FP
	4857	4/25/2022	466-495	4877-4847	Portable pump	No	491-495	—	—	4876.36	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/12/2022	466-495	4877-4847	Portable pump	No	495-499	—	—	4876.29	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106012R	4857	10/11/2022	466-495	4877-4847	Portable pump	No	491-495	—	—	4874.81	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/6/2021	487-512	4861-4836	Portable pump	Yes	489	—	—	4876.44	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/9/2021	487-512	4861-4836	Portable pump	Yes	489	—	—	4876.01	BTEX, EDB, FP
	4857	10/8/2021	487-512	4861-4836	Portable pump	Yes	487-491	—	—	4874.73	EDB, VOCs, metals, anions, alkalinity, FP
	4857	1/11/2022	487-512	4861-4836	Portable pump	Yes	487-491	—	—	4874.09	BTEX, EDB, FP
	4857	4/12/2022	487-512	4861-4836	Portable pump	Yes	487-491	—	—	4876.38	BTEX, EDB, metals, anions, alkalinity, FP
	4857	7/11/2022	487-512	4861-4836	Portable pump	Yes	487-491	—	—	4876.15	BTEX, EDB, FP
KAFB-106013	4857	10/4/2022	487-512	4861-4836	Portable pump	Yes	487-491	—	—	4874.76	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/20/2021	486-511	4861-4836	Portable pump	Yes	488	—	—	4876.74	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/25/2021	486-511	4861-4836	Portable pump	Yes	486-490	—	—	4874.76	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/14/2022	486-511	4861-4836	Portable pump	Yes	486-490	—	—	4876.46	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106014	4857	10/17/2022	486-511	4861-4836	Portable pump	Yes	486-490	—	—	4874.62	EDB, VOCs, metals, anions, alkalinity, FP
	4857/4838	4/1/2021	485-510	4855-4830	Passive sampler	Yes	488	—	—	4875.32	EDB, metals, anions, alkalinity
	4857/4838	10/6/2021	485-510	4855-4830	Passive sampler	Yes	486-494	—	—	4872.13	EDB, VOCs, metals, anions, alkalinity
	4857/4838	4/4/2022	485-510	4855-4830	Passive sampler	Yes	486-494	—	—	4875.45	EDB, metals, anions, alkalinity
KAFB-106015	4857/4838	10/6/2022	485-510	4855-4830	Passive sampler	Yes	486-494	—	—	4872.66	EDB, VOCs, metals, anions, alkalinity
	4857	4/16/2021	475-500	4864-4839	Dedicated pump	Yes	488	—	—	4877.34	EDB, metals, anions, alkalinity, FP
	4857	10/26/2021	475-500	4864-4839	Dedicated pump	Yes	485-489	—	—	4875.89	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/25/2022	475-500	4864-4839	Dedicated pump	Yes	485-489	—	—	4877.35	EDB, metals, anions, alkalinity, FP
KAFB-106016	4857	10/25/2022	475-500	4864-4839	Dedicated pump	Yes	485-489	—	—	4876.10	EDB, VOCs, metals, anions, alkalinity, FP
	4857/4838	4/19/2021	482-507	4857-4832	Dedicated pump	Yes	495	—	—	4875.61	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP
	4857/4838	10/27/2021	482-507	4857-4832	Dedicated pump	Yes	492-496	—	—	4873.75	EDB, VOCs, metals, anions, alkalinity, FP
	4857/4838	4/21/2022	482-507	4857-4832	Dedicated pump	Yes	492-496	—	—	4875.76	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP
KAFB-106017	4857/4838	10/21/2022	482-507	4857-4832	Dedicated pump	Yes	492-496	—	—	4874.03	EDB, VOCs, metals, anions, alkalinity, FP
	4857/4838	4/27/2021	476-501	4857-4832	Portable pump	Yes	478	—	—	4875.92	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP
	4857/4838	10/20/2021	476-501	4857-4832	Portable pump	Yes	476-480	—	—	4874.13	EDB, VOCs, metals, anions, alkalinity, FP
	4857/4838	4/12/2022	476-501	4857-4832	Portable pump	Yes	476-480	—	—	4876.13	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP
KAFB-106018	4857/4838	10/20/2022	476-501	4857-4832	Portable pump	Yes	476-480	—	—	4874.46	EDB, VOCs, metals, anions, alkalinity, FP

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Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4857/4838	4/27/2021	493-518	4859-4834	Portable pump	Yes	495	—	—	4875.77	EDB, metals, anions, alkalinity, FP
	4857/4838	10/21/2021	493-518	4859-4834	Portable pump	Yes	493-497	—	—	4873.99	EDB, VOCs, metals, anions, alkalinity, FP
	4857/4838	4/12/2022	493-518	4859-4834	Portable pump	Yes	493-497	—	—	4875.95	EDB, metals, anions, alkalinity, FP
KAFB-106019	4857/4838	10/20/2022	493-518	4859-4834	Portable pump	Yes	493-497	—	—	4874.26	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/27/2021	482-507	4859-4834	Portable pump	Yes	484	—	—	4876.33	EDB, metals, anions, alkalinity, FP
	4857	10/20/2021	482-507	4859-4834	Portable pump	Yes	482-486	—	—	4874.62	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/19/2022	482-507	4859-4834	Portable pump	Yes	482-486	—	—	4876.33	EDB, metals, anions, alkalinity, FP
KAFB-106020	4857	10/12/2022	482-507	4859-4834	Portable pump	Yes	482-486	—	—	4874.50	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/6/2021	458-483	4856-4831	Passive sampler	--	459	—	—	4876.12	EDB, metals, anions, alkalinity
	4838	10/28/2021	458-483	4856-4831	Passive sampler	--	459-467	—	—	4873.89	EDB, VOCs, metals, anions, alkalinity
	4838	4/26/2022	458-483	4856-4831	Passive sampler	--	459-467	—	—	4875.90	EDB, metals, anions, alkalinity
KAFB-106021	4838	10/26/2022	458-483	4856-4831	Passive sampler	--	459-467	—	—	4874.19	EDB, VOCs, metals, anions, alkalinity
	4857/4838	4/8/2021	462-487	4856-4831	Passive sampler	Yes	463	—	—	4875.23	EDB, metals, anions, alkalinity
	4857/4838	10/14/2021	462-487	4856-4831	Passive sampler	Yes	463-471	—	—	4872.90	EDB, VOCs, metals, anions, alkalinity
	4857/4838	4/4/2022	462-487	4856-4831	Passive sampler	Yes	463-471	—	—	4875.38	EDB, metals, anions, alkalinity
KAFB-106022	4857/4838	10/11/2022	462-487	4856-4831	Passive sampler	Yes	463-471	—	—	4873.30	EDB, VOCs, metals, anions, alkalinity
	4857	4/9/2021	473-498	4856-4831	Passive sampler	Yes	474	—	—	4875.57	EDB, metals, anions, alkalinity
	4857	10/18/2021	473-498	4856-4831	Passive sampler	Yes	474-482	—	—	4873.33	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2022	473-498	4856-4831	Passive sampler	Yes	474-482	—	—	4875.78	EDB, metals, anions, alkalinity
KAFB-106023	4857	10/12/2022	473-498	4856-4831	Passive sampler	Yes	474-482	—	—	4873.74	EDB, VOCs, metals, anions, alkalinity
	4857	4/7/2021	481-506	4863-4838	Dedicated pump	Yes	494	—	—	4877.00	EDB, metals, anions, alkalinity, FP
	4857	10/27/2021	481-506	4863-4838	Dedicated pump	Yes	492-496	—	—	4875.29	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/25/2022	481-506	4863-4838	Dedicated pump	Yes	492-496	—	—	4876.58	EDB, metals, anions, alkalinity, FP
KAFB-106024	4857	10/21/2022	481-506	4863-4838	Dedicated pump	Yes	492-496	—	—	4875.68	EDB, VOCs, metals, anions, alkalinity, FP
	4857/4838	4/5/2021	465-490	4852-4827	Passive sampler	Yes	466	—	—	4875.76	EDB, metals, anions, alkalinity
	4857/4838	10/13/2021	465-490	4852-4827	Passive sampler	Yes	466-474	—	—	4873.27	EDB, VOCs, metals, anions, alkalinity
	4857/4838	4/7/2022	465-490	4852-4827	Passive sampler	Yes	466-474	—	—	4875.64	EDB, metals, anions, alkalinity
KAFB-106025	4857/4838	10/7/2022	465-490	4852-4827	Passive sampler	Yes	466-474	—	—	4873.77	EDB, VOCs, metals, anions, alkalinity
	4857	4/2/2021	466-486	4857-4837	Passive sampler	Yes	467	—	—	4875.77	EDB, metals, anions, alkalinity
	4857	10/11/2021	466-486	4857-4837	Passive sampler	Yes	467-475	—	—	4872.53	EDB, VOCs, metals, anions, alkalinity
	4857	4/7/2022	466-486	4857-4837	Passive sampler	Yes	467-475	—	—	4875.48	EDB, metals, anions, alkalinity
KAFB-106026	4857	10/6/2022	466-486	4857-4837	Passive sampler	Yes	467-475	—	—	4873.29	EDB, VOCs, metals, anions, alkalinity
	4857	4/2/2021	481-501	4864-4844	Dedicated pump	Yes	491	—	—	4877.26	EDB, metals, anions, alkalinity, FP
	4857	10/26/2021	481-501	4864-4844	Dedicated pump	Yes	489-493	—	—	4875.65	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/22/2022	481-501	4864-4844	Dedicated pump	Yes	489-493	—	—	4876.87	EDB, metals, anions, alkalinity, FP
KAFB-106027	4857	10/24/2022	481-501	4864-4844	Dedicated pump	Yes	489-493	—	—	4876.04	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/21/2021	486-511	4863-4838	Portable pump	Yes	488	—	—	4876.73	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/22/2021	486-511	4863-4838	Portable pump	Yes	486-490	—	—	4874.62	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/14/2022	486-511	4863-4838	Portable pump	Yes	486-490	—	—	4876.31	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106028	4857	10/18/2022	486-511	4863-4838	Portable pump	Yes	486-490	—	—	4874.88	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/6/2021	451-471	4860-4840	Passive sampler	Yes	452	—	—	4876.16	EDB, metals, anions, alkalinity
	4857	7/9/2021	451-471	4860-4840	Passive sampler	Yes	452	—	—	4875.77	EDB
	4857	10/28/2021	451-471	4860-4840	Passive sampler	Yes	452-459	—	—	4873.69	EDB, VOCs, metals, anions, alkalinity
	4857	1/7/2022	451-471	4860-4840	Passive sampler	Yes	452-457	—	—	4874.09	EDB
	4857	4/26/2022	451-471	4860-4840	Passive sampler	Yes	452-459	—	—	4875.63	EDB, metals, anions, alkalinity
	4857	7/7/2022	451-471	4860-4840	Passive sampler	Yes	452-457	—	—	4875.70	EDB
KAFB-106029	4857	10/26/2022	451-471	4860-4840	Portable pump	Yes	451-455	—	—	4874.09	EDB, VOCs, metals, anions, alkalinity

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4838	4/6/2021	470-485	4842-4827	Passive sampler	--	470	—	—	4876.17	EDB, metals, anions, alkalinity
	4838	7/9/2021	470-485	4842-4827	Passive sampler	--	470	—	—	4875.78	EDB
	4838	10/28/2021	470-485	4842-4827	Passive sampler	--	470-478	—	—	4873.72	EDB, VOCs, metals, anions, alkalinity
	4838	1/7/2022	470-485	4842-4827	Passive sampler	--	470-475	—	—	4874.09	EDB
	4838	4/26/2022	470-485	4842-4827	Passive sampler	--	470-478	—	—	4875.71	EDB, metals, anions, alkalinity
	4838	7/7/2022	470-485	4842-4827	Passive sampler	--	470-475	—	—	4875.75	EDB
KAFB-106030	4838	10/26/2022	470-485	4842-4827	Passive sampler	--	470-478	—	—	4874.11	EDB, VOCs, metals, anions, alkalinity
	4814	4/6/2021	496-510	4815-4802	Passive sampler	--	497	—	—	4876.11	EDB, metals, anions, alkalinity
	4814	7/9/2021	496-510	4815-4802	Passive sampler	--	497	—	—	4875.70	EDB
	4814	10/28/2021	496-510	4815-4802	Passive sampler	--	497-504	—	—	4873.67	EDB, VOCs, metals, anions, alkalinity
	4814	1/7/2022	496-510	4815-4802	Passive sampler	--	497-502	—	—	4874.00	EDB
	4814	4/26/2022	496-510	4815-4802	Passive sampler	--	497-504	—	—	4875.64	EDB, metals, anions, alkalinity
	4814	7/7/2022	496-510	4815-4802	Passive sampler	--	497-502	—	—	4875.68	EDB
KAFB-106031	4814	10/26/2022	496-510	4815-4802	Passive sampler	--	497-505	—	—	4874.04	EDB, VOCs, metals, anions, alkalinity
	4857	4/8/2021	456-476	4862-4842	Passive sampler	Yes	457	—	—	4876.63	EDB, metals, anions, alkalinity
	4857	7/12/2021	456-476	4862-4842	Passive sampler	Yes	457	—	—	4876.24	EDB
	4857	10/15/2021	456-476	4862-4842	Passive sampler	Yes	457-465	—	—	4874.72	EDB, VOCs, metals, anions, alkalinity
	4857	1/10/2022	456-476	4862-4842	Passive sampler	Yes	457-462	—	—	4874.77	EDB
	4857	4/5/2022	456-476	4862-4842	Passive sampler	Yes	457-465	—	—	4876.37	EDB, metals, anions, alkalinity
	4857	7/11/2022	456-476	4862-4842	Passive sampler	Yes	457-462	—	—	4876.26	EDB
KAFB-106032	4857	10/10/2022	456-476	4862-4842	Passive sampler	Yes	457-465	—	—	4874.60	EDB, VOCs, metals, anions, alkalinity
	4838	4/8/2021	477-492	4841-4826	Passive sampler	--	478	—	—	4876.65	EDB, metals, anions, alkalinity
	4838	7/12/2021	477-492	4841-4826	Passive sampler	--	478	—	—	4876.27	EDB
	4838	10/19/2021	477-492	4841-4826	Passive sampler	--	478-486	—	—	4874.75	EDB, VOCs, metals, anions, alkalinity
	4838	1/10/2022	477-492	4841-4826	Passive sampler	--	478-483	—	—	4874.79	EDB
	4838	4/5/2022	477-492	4841-4826	Passive sampler	--	478-486	—	—	4876.39	EDB, metals, anions, alkalinity
	4838	7/11/2022	477-492	4841-4826	Passive sampler	--	478-483	—	—	4876.29	EDB
KAFB-106033	4838	10/10/2022	477-492	4841-4826	Passive sampler	--	478-486	—	—	4874.65	EDB, VOCs, metals, anions, alkalinity
	4814	4/8/2021	502-517	4817-4802	Passive sampler	--	503	—	—	4876.66	EDB, metals, anions, alkalinity
	4814	7/12/2021	502-517	4817-4802	Passive sampler	--	503	—	—	4876.27	EDB
	4814	10/15/2021	502-517	4817-4802	Passive sampler	--	503-511	—	—	4874.76	EDB, VOCs, metals, anions, alkalinity
	4814	1/10/2022	502-517	4817-4802	Passive sampler	--	503-508	—	—	4874.81	EDB
	4814	4/5/2022	502-517	4817-4802	Passive sampler	--	503-511	—	—	4876.41	EDB, metals, anions, alkalinity
	4814	7/11/2022	502-517	4817-4802	Passive sampler	--	503-508	—	—	4876.31	EDB
KAFB-106034	4814	10/10/2022	502-517	4817-4802	Passive sampler	--	503-511	—	—	4874.67	EDB, VOCs, metals, anions, alkalinity
	4857	4/9/2021	452-482	4869-4839	Passive sampler	Yes	453	—	—	4874.91	EDB, metals, anions, alkalinity
	4857	10/15/2021	452-482	4869-4839	Passive sampler	Yes	453-461	—	—	4872.52	EDB, VOCs, metals, anions, alkalinity
	4857	4/4/2022	452-482	4869-4839	Passive sampler	Yes	453-461	—	—	4875.15	EDB, metals, anions, alkalinity
KAFB-106035	4857	10/11/2022	452-482	4869-4839	Passive sampler	Yes	453-461	—	—	4872.82	EDB, VOCs, metals, anions, alkalinity
	4838	4/9/2021	482-497	4840-4825	Passive sampler	--	483	—	—	4874.75	EDB, metals, anions, alkalinity
	4838	10/15/2021	482-497	4840-4825	Passive sampler	--	482-490	—	—	4872.33	EDB, VOCs, metals, anions, alkalinity
	4838	4/4/2022	482-497	4840-4825	Passive sampler	--	482-490	—	—	4875.02	EDB, metals, anions, alkalinity
KAFB-106036	4838	10/11/2022	482-497	4840-4825	Passive sampler	--	482-490	—	—	4872.63	EDB, VOCs, metals, anions, alkalinity
	4838	4/9/2021	507-522	4815-4800	Passive sampler	--	508	—	—	4874.35	EDB, metals, anions, alkalinity
	4838	10/15/2021	507-522	4815-4800	Passive sampler	--	508-516	—	—	4871.93	EDB, VOCs, metals, anions, alkalinity
	4838	4/4/2022	507-522	4815-4800	Passive sampler	--	508-516	—	—	4874.65	EDB, metals, anions, alkalinity
KAFB-106037	4838	10/11/2022	507-522	4815-4800	Passive sampler	--	508-516	—	—	4872.33	EDB, VOCs, metals, anions, alkalinity

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Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4857	4/14/2021	478-508	4870-4840	Portable pump	Yes	480	—	—	4875.75	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP
	4857	10/19/2021	478-508	4870-4840	Portable pump	Yes	478-482	—	—	4873.72	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/18/2022	478-508	4870-4840	Portable pump	Yes	478-482	—	—	4875.88	BTEX, Naphthalene, EDB, metals, anions, alkalinity, FP
KAFB-106038	4857	10/14/2022	478-508	4870-4840	Portable pump	Yes	478-482	—	—	4873.74	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/12/2021	508-523	4840-4825	Portable pump	--	510	—	—	4875.66	EDB, metals, anions, alkalinity, FP
	4838	10/19/2021	508-523	4840-4825	Portable pump	--	508-512	—	—	4873.62	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/18/2022	508-523	4840-4825	Portable pump	--	508-512	—	—	4875.77	EDB, metals, anions, alkalinity, FP
KAFB-106039	4838	10/14/2022	508-523	4840-4825	Portable pump	--	508-512	—	—	4873.61	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/12/2021	531-546	4817-4802	Portable pump	--	533	—	—	4875.69	EDB, metals, anions, alkalinity, FP
	4814	10/19/2021	531-546	4817-4802	Portable pump	--	531-535	—	—	4873.63	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/18/2022	531-546	4817-4802	Portable pump	--	531-535	—	—	4875.81	EDB, metals, anions, alkalinity, FP
KAFB-106040	4814	10/14/2022	531-546	4817-4802	Portable pump	--	531-535	—	—	4873.68	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/5/2021	449-469	4875-4855	Passive sampler	Yes	450	—	—	4875.97	EDB, metals, anions, alkalinity
	4857	7/12/2021	449-469	4875-4855	Passive sampler	Yes	450	—	—	4875.19	EDB, metals, anions, alkalinity
	4857	10/12/2021	449-469	4875-4855	Passive sampler	No	452-460	—	—	4872.80	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	449-469	4875-4855	Passive sampler	No	452-460	—	—	4873.38	EDB, metals, anions, alkalinity
	4857	4/6/2022	449-469	4875-4855	Passive sampler	Yes	452-460	—	—	4875.85	EDB, metals, anions, alkalinity
	4857	7/8/2022	449-469	4875-4855	Passive sampler	Yes	452-460	—	—	4875.47	EDB, metals, anions, alkalinity
KAFB-106041	4857	10/4/2022	449-469	4875-4855	Passive sampler	No	455-463	—	—	4873.56	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2021	469-484	4855-4841	Passive sampler	Yes	470	—	—	4875.93	EDB, metals, anions, alkalinity
	4857	10/12/2021	469-484	4855-4841	Passive sampler	Yes	470-478	—	—	4872.79	EDB, VOCs, metals, anions, alkalinity
	4857	4/6/2022	469-484	4855-4841	Passive sampler	Yes	470-478	—	—	4875.83	EDB, metals, anions, alkalinity
KAFB-106042	4857	10/4/2022	469-484	4855-4841	Passive sampler	Yes	470-478	—	—	4873.54	EDB, VOCs, metals, anions, alkalinity
	4814	4/5/2021	543-558	4781-4767	Passive sampler	--	544	—	—	4875.94	EDB, metals, anions, alkalinity
	4814	10/12/2021	543-558	4781-4767	Passive sampler	--	544-552	—	—	4872.78	EDB, VOCs, metals, anions, alkalinity
	4814	4/6/2022	543-558	4781-4767	Passive sampler	--	544-552	—	—	4875.69	EDB, metals, anions, alkalinity
KAFB-106043	4814	10/4/2022	543-558	4781-4767	Passive sampler	--	544-552	—	—	4873.48	EDB, VOCs, metals, anions, alkalinity
	4838	4/2/2021	504-519	4841-4826	Dedicated pump	--	512	—	—	4877.30	EDB, metals, anions, alkalinity, FP
	4838	10/26/2021	504-519	4841-4826	Dedicated pump	--	510-514	—	—	4875.73	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/25/2022	504-519	4841-4826	Dedicated pump	--	510-514	—	—	4876.89	EDB, metals, anions, alkalinity, FP
KAFB-106044	4838	10/24/2022	504-519	4841-4826	Dedicated pump	--	510-514	—	—	4876.06	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/14/2021	528-543	4817-4802	Portable pump	--	530	—	—	4877.30	EDB, metals, anions, alkalinity, FP
	4814	10/15/2021	528-543	4817-4802	Portable pump	--	527-531	—	—	4875.77	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/22/2022	528-543	4817-4802	Portable pump	--	528-532	—	—	4876.92	EDB, metals, anions, alkalinity, FP
KAFB-106045	4814	10/7/2022	528-543	4817-4802	Portable pump	--	527-531	—	—	4876.12	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/2/2021	490-510	4863-4843	Dedicated pump	Yes	500	—	—	4876.63	EDB, metals, anions, alkalinity, FP
	4857	10/28/2021	490-510	4863-4843	Dedicated pump	Yes	498-502	—	—	4874.64	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/20/2022	490-510	4863-4843	Dedicated pump	Yes	498-502	—	—	4876.37	EDB, metals, anions, alkalinity, FP
KAFB-106046	4857	10/11/2022	490-510	4863-4843	Dedicated pump	Yes	498-502	—	—	4874.56	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/2/2021	512-527	4841-4826	Dedicated pump	--	520	—	—	4876.53	EDB, metals, anions, alkalinity, FP
	4838	10/28/2021	512-527	4841-4826	Dedicated pump	--	518-522	—	—	4874.53	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/20/2022	512-527	4841-4826	Dedicated pump	--	518-522	—	—	4876.26	EDB, metals, anions, alkalinity, FP
KAFB-106047	4838	10/11/2022	512-527	4841-4826	Dedicated pump	--	518-522	—	—	4874.48	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/14/2021	536-551	4817-4802	Portable pump	--	538	—	—	4876.56	EDB, metals, anions, alkalinity, FP
	4814	10/15/2021	536-551	4817-4802	Portable pump	--	536-540	—	—	4874.56	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/21/2022	536-551	4817-4802	Portable pump	--	536-540	—	—	4876.29	EDB, metals, anions, alkalinity, FP
KAFB-106048	4814	10/11/2022	536-551	4817-4802	Portable pump	--	536-540	—	—	4874.50	EDB, VOCs, metals, anions, alkalinity, FP

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Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4857	4/8/2021	457-477	4859-4839	Passive sampler	Yes	458	—	—	4876.16	EDB, metals, anions, alkalinity
	4857	7/12/2021	457-477	4859-4839	Passive sampler	Yes	458	—	—	4875.72	EDB
	4857	10/14/2021	457-477	4859-4839	Passive sampler	Yes	460-468	—	—	4873.69	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	457-477	4859-4839	Passive sampler	Yes	458-463	—	—	4873.95	EDB
	4857	4/5/2022	457-477	4859-4839	Passive sampler	Yes	458-465	—	—	4875.76	EDB, metals, anions, alkalinity
	4857	7/11/2022	457-477	4859-4839	Passive sampler	Yes	458-463	—	—	4875.83	EDB
KAFB-106049	4857	10/10/2022	457-477	4859-4839	Passive sampler	Yes	458-466	—	—	4874.14	EDB, VOCs, metals, anions, alkalinity
	4838	4/8/2021	474-489	4841-4826	Passive sampler	--	475	—	—	4876.16	EDB, metals, anions, alkalinity
	4838	7/12/2021	474-489	4841-4826	Passive sampler	--	475	—	—	4875.72	EDB
	4838	10/14/2021	474-489	4841-4826	Passive sampler	--	475-483	—	—	4873.68	EDB, VOCs, metals, anions, alkalinity
	4838	1/6/2022	474-489	4841-4826	Passive sampler	--	475-480	—	—	4873.95	EDB
	4838	4/5/2022	474-489	4841-4826	Passive sampler	--	475-483	—	—	4875.79	EDB, metals, anions, alkalinity
	4838	7/11/2022	474-489	4841-4826	Passive sampler	--	475-480	—	—	4875.85	EDB
KAFB-106050	4838	10/10/2022	474-489	4841-4826	Passive sampler	--	475-483	—	—	4874.16	EDB, VOCs, metals, anions, alkalinity
	4814	4/8/2021	501-516	4815-4800	Passive sampler	--	502	—	—	4876.12	EDB, metals, anions, alkalinity
	4814	7/12/2021	501-516	4815-4800	Passive sampler	--	502	—	—	4875.69	EDB
	4814	10/13/2021	501-516	4815-4800	Passive sampler	--	502-509	—	—	4873.65	EDB, VOCs, metals, anions, alkalinity
	4814	1/6/2022	501-516	4815-4800	Passive sampler	--	502-507	—	—	4873.93	EDB
	4814	4/5/2022	501-516	4815-4800	Passive sampler	--	502-509	—	—	4875.74	EDB, metals, anions, alkalinity
	4814	7/11/2022	501-516	4815-4800	Passive sampler	--	502-507	—	—	4875.80	EDB
KAFB-106051	4814	10/10/2022	501-516	4815-4800	Passive sampler	--	502-510	—	—	4874.12	EDB, VOCs, metals, anions, alkalinity
	4857	4/8/2021	450-480	4869-4839	Passive sampler	Yes	450	—	—	4875.78	EDB, metals, anions, alkalinity
	4857	10/13/2021	450-480	4869-4839	Passive sampler	Yes	450-458	—	—	4873.24	EDB, VOCs, metals, anions, alkalinity
	4857	4/4/2022	450-480	4869-4839	Passive sampler	Yes	450-458	—	—	4875.43	EDB, metals, anions, alkalinity
KAFB-106052	4857	10/7/2022	450-480	4869-4839	Passive sampler	Yes	450-458	—	—	4873.74	EDB, VOCs, metals, anions, alkalinity
	4838	4/8/2021	478-493	4840-4825	Passive sampler	--	479	—	—	4875.66	EDB, metals, anions, alkalinity
	4838	10/13/2021	478-493	4840-4825	Passive sampler	--	479-487	—	—	4873.13	EDB, VOCs, metals, anions, alkalinity
	4838	4/4/2022	478-493	4840-4825	Passive sampler	--	479-487	—	—	4875.32	EDB, metals, anions, alkalinity
KAFB-106053	4838	10/7/2022	478-493	4840-4825	Passive sampler	--	479-487	—	—	4873.62	EDB, VOCs, metals, anions, alkalinity
	4814	4/9/2021	504-519	4814-4799	Passive sampler	--	505	—	—	4875.76	EDB, metals, anions, alkalinity
	4814	10/13/2021	504-519	4814-4799	Passive sampler	--	505-513	—	—	4873.21	EDB, VOCs, metals, anions, alkalinity
	4814	4/4/2022	504-519	4814-4799	Passive sampler	--	505-513	—	—	4875.44	EDB, metals, anions, alkalinity
KAFB-106054	4814	10/7/2022	504-519	4814-4799	Passive sampler	--	505-513	—	—	4873.71	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2021	466-486	4859-4839	Passive sampler	Yes	467	—	—	4875.72	EDB, metals, anions, alkalinity
	4857	10/11/2021	466-486	4859-4839	Passive sampler	Yes	467-474	—	—	4872.81	EDB, VOCs, metals, anions, alkalinity
	4857	4/6/2022	466-486	4859-4839	Passive sampler	Yes	467-474	—	—	4875.33	EDB, metals, anions, alkalinity
KAFB-106055	4857	10/6/2022	466-486	4859-4839	Passive sampler	Yes	467-475	—	—	4873.42	EDB, VOCs, metals, anions, alkalinity
	4838	4/5/2021	485-500	4841-4826	Passive sampler	--	486	—	—	4875.73	EDB, metals, anions, alkalinity
	4838	10/11/2021	485-500	4841-4826	Passive sampler	--	486-493	—	—	4872.81	EDB, VOCs, metals, anions, alkalinity
	4838	4/6/2022	485-500	4841-4826	Passive sampler	--	486-493	—	—	4875.35	EDB, metals, anions, alkalinity
KAFB-106057	4838	10/6/2022	485-500	4841-4826	Passive sampler	--	486-494	—	—	4873.43	EDB, VOCs, metals, anions, alkalinity
	4814	4/9/2021	512-527	4814-4799	Passive sampler	--	513	—	—	4875.78	EDB, metals, anions, alkalinity
	4814	10/12/2021	512-527	4814-4799	Passive sampler	--	513-520	—	—	4872.80	EDB, VOCs, metals, anions, alkalinity
	4814	4/6/2022	512-527	4814-4799	Passive sampler	--	513-520	—	—	4875.39	EDB, metals, anions, alkalinity
KAFB-106058	4814	10/6/2022	512-527	4814-4799	Passive sampler	--	513-521	—	—	4873.46	EDB, VOCs, metals, anions, alkalinity
	4857	4/22/2021	483-503	4861-4841	Portable pump	Yes	485	0.01	4877.02	4877.02	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/26/2021	483-503	4861-4841	Portable pump	Yes	483-487	Trace	4875.17	4875.17	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/18/2022	483-503	4861-4841	Portable pump	Yes	483-487	—	—	4876.67	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106059	4857	10/19/2022	483-503	4861-4841	Portable pump	Yes	483-487	—	—	4875.06	EDB, VOCs, metals, anions, alkalinity, FP

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4838	4/7/2021	503-518	4842-4827	Dedicated pump	--	511	—	—	4876.78	BTEX, EDB, metals, anions, alkalinity, FP
	4838	10/27/2021	503-518	4842-4827	Dedicated pump	--	509-513	—	—	4875.10	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/8/2022	503-518	4842-4827	Dedicated pump	--	509-513	—	—	4876.52	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106060	4838	10/14/2022	503-518	4842-4827	Dedicated pump	--	509-513	—	—	4875.32	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/14/2021	573-588	4772-4757	Portable pump	--	575	—	—	4876.90	BTEX, EDB, metals, anions, alkalinity, FP
	4814	10/14/2021	573-588	4772-4757	Portable pump	--	573-577	—	—	4875.22	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/25/2022	573-588	4772-4757	Portable pump	--	573-577	—	—	4876.43	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106061	4814	10/7/2022	573-588	4772-4757	Portable pump	--	573-577	—	—	4875.48	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/2/2021	575-590	4773-4758	Dedicated pump	--	583	—	—	4876.99	BTEX, EDB, metals, anions, alkalinity, FP
	4814	10/27/2021	575-590	4773-4758	Dedicated pump	--	581-585	—	—	4874.78	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/21/2022	575-590	4773-4758	Dedicated pump	--	581-585	—	—	4876.45	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106062	4814	10/25/2022	575-590	4773-4758	Dedicated pump	--	581-585	—	—	4874.75	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/1/2021	505-520	4844-4829	Bladder pump	--	511	—	—	4876.61	BTEX, EDB, metals, anions, alkalinity, FP
	4838	10/27/2021	505-520	4844-4829	Bladder pump	--	505-509	—	—	4874.74	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/20/2022	505-520	4844-4829	Bladder pump	--	505-509	—	—	4876.40	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106063	4838	10/25/2022	505-520	4844-4829	Bladder pump	--	505-509	—	—	4874.62	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/1/2021	485-505	4863-4843	Bladder pump	Yes	493	NM	NM	NM	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/27/2021	485-505	4863-4843	Bladder pump	Yes	485-489	—	—	4874.77	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/20/2022	485-505	4863-4843	Bladder pump	Yes	485-489	—	—	4876.42	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106064	4857	10/25/2022	485-505	4863-4843	Bladder pump	Yes	485-489	—	—	4874.64	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/16/2021	508-523	4841-4826	Dedicated pump	--	516	—	—	4876.58	BTEX, EDB, metals, anions, alkalinity, FP
	4838	10/27/2021	508-523	4841-4826	Dedicated pump	--	514-518	—	—	4874.62	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/13/2022	508-523	4841-4826	Dedicated pump	--	514-518	—	—	4876.31	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106065	4838	10/21/2022	508-523	4841-4826	Dedicated pump	--	514-518	—	—	4874.90	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/16/2021	576-591	4773-4758	Dedicated pump	--	584	—	—	4876.27	BTEX, EDB, metals, anions, alkalinity, FP
	4814	10/19/2021	576-591	4773-4758	Dedicated pump	--	581-585	—	—	4874.60	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/21/2022	576-591	4773-4758	Dedicated pump	--	581-585	—	—	4876.35	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106066	4814	10/18/2022	576-591	4773-4758	Dedicated pump	--	581-585	—	—	4874.53	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/16/2021	485-505	4862-4842	Dedicated pump	Yes	495	—	—	4876.24	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/26/2021	485-505	4862-4842	Dedicated pump	Yes	493-497	—	—	4874.12	EDB, VOCs, metals, anions, alkalinity, FP
	4857	5/4/2022	485-505	4862-4842	Portable pump	Yes	485-489	—	—	4875.99	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106067	4857	10/21/2022	485-505	4862-4842	Portable pump	Yes	485-489	—	—	4874.44	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/6/2021	580-595	4767-4752	Dedicated pump	--	588	—	—	4875.74	BTEX, EDB, metals, anions, alkalinity, FP
	4814	10/28/2021	580-595	4767-4752	Dedicated pump	--	586-590	—	—	4874.03	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/21/2022	580-595	4767-4752	Dedicated pump	--	586-590	—	—	4875.89	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106068	4814	10/24/2022	580-595	4767-4752	Dedicated pump	--	586-590	—	—	4873.93	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/26/2021	506-521	4841-4826	Portable pump	--	508	—	—	4876.37	BTEX, EDB, metals, anions, alkalinity, FP
	4838	10/25/2021	506-521	4841-4826	Portable pump	--	506-510	—	—	4874.25	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/12/2022	506-521	4841-4826	Portable pump	--	506-510	—	—	4876.06	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106069	4838	10/19/2022	506-521	4841-4826	Portable pump	--	506-510	—	—	4874.53	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/12/2021	460-480	4859-4839	Passive sampler	Yes	461	—	—	4875.63	EDB, metals, anions, alkalinity
	4857	10/18/2021	460-480	4859-4839	Passive sampler	Yes	461-469	—	—	4873.39	EDB, VOCs, metals, anions, alkalinity
	4857	4/6/2022	460-480	4859-4839	Passive sampler	Yes	461-469	—	—	4875.16	EDB, metals, anions, alkalinity
KAFB-106070	4857	10/12/2022	460-480	4859-4839	Passive sampler	Yes	461-469	—	—	4873.31	EDB, VOCs, metals, anions, alkalinity
	4814	4/12/2021	548-563	4773-4758	Passive sampler	--	549	—	—	4875.77	EDB, metals, anions, alkalinity
	4814	10/18/2021	548-563	4773-4758	Passive sampler	--	549-557	—	—	4873.51	EDB, VOCs, metals, anions, alkalinity
	4814	4/6/2022	548-563	4773-4758	Passive sampler	--	549-557	—	—	4875.31	EDB, metals, anions, alkalinity
KAFB-106071	4814	10/12/2022	548-563	4773-4758	Passive sampler	--	549-557	—	—	4873.50	EDB, VOCs, metals, anions, alkalinity

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Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4838	4/12/2021	475-495	4844-4824	Passive sampler	--	476	—	—	4875.87	EDB, metals, anions, alkalinity
	4838	10/18/2021	475-495	4844-4824	Passive sampler	--	476-484	—	—	4873.70	EDB, VOCs, metals, anions, alkalinity
	4838	4/6/2022	475-495	4844-4824	Passive sampler	--	476-484	—	—	4875.93	EDB, metals, anions, alkalinity
KAFB-106072	4838	10/12/2022	475-495	4844-4824	Passive sampler	--	476-484	—	—	4873.57	EDB, VOCs, metals, anions, alkalinity
	4838	4/16/2021	500-515	4840-4825	Portable pump	--	502	—	—	4876.29	EDB, metals, anions, alkalinity, FP
	4838	10/20/2021	500-515	4840-4825	Portable pump	--	500-504	—	—	4874.47	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/19/2022	500-515	4840-4825	Portable pump	--	500-504	—	—	4876.26	EDB, metals, anions, alkalinity, FP
KAFB-106073	4838	10/12/2022	500-515	4840-4825	Portable pump	--	500-504	—	—	4874.38	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/16/2021	570-585	4771-4756	Portable pump	--	572	—	—	4876.29	EDB, metals, anions, alkalinity, FP
	4814	10/20/2021	570-585	4771-4756	Portable pump	--	570-574	—	—	4874.47	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/19/2022	570-585	4771-4756	Portable pump	--	570-574	—	—	4876.32	EDB, metals, anions, alkalinity, FP
KAFB-106074	4814	10/12/2022	570-585	4771-4756	Portable pump	--	570-574	—	—	4874.57	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/29/2021	480-500	4860-4840	Portable pump	Yes	482	—	—	4876.22	EDB, metals, anions, alkalinity, FP
	4857	10/20/2021	480-500	4860-4840	Portable pump	Yes	480-484	—	—	4874.40	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/19/2022	480-500	4860-4840	Portable pump	Yes	480-484	—	—	4876.26	EDB, metals, anions, alkalinity, FP
KAFB-106075	4857	10/12/2022	480-500	4860-4840	Portable pump	Yes	480-484	—	—	4874.31	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/23/2021	480-500	4865-4845	Portable pump	Yes	482	0.01	4876.83	4876.83	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/25/2021	480-500	4865-4845	Portable pump	Yes	480-484	0.03	4875.08	4875.08	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/15/2022	480-500	4865-4845	Portable pump	Yes	480-484	—	—	4876.52	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106076	4857	10/20/2022	480-500	4865-4845	Portable pump	Yes	480-484	—	—	4874.96	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/14/2021	504-519	4841-4826	Portable pump	--	506	—	—	4875.46	BTEX, EDB, metals, anions, alkalinity, FP
	4838	10/18/2021	504-519	4841-4826	Portable pump	--	504-508	—	—	4873.74	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/18/2022	504-519	4841-4826	Portable pump	--	504-508	—	—	4874.95	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106077	4838	10/17/2022	504-519	4841-4826	Portable pump	--	504-508	—	—	4873.67	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/19/2021	574-589	4771-4756	Dedicated pump	--	582	—	—	4876.19	BTEX, EDB, metals, anions, alkalinity, FP
	4814	10/28/2021	574-589	4771-4756	Dedicated pump	--	579-583	—	—	4874.43	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/21/2022	574-589	4771-4756	Dedicated pump	--	579-583	—	—	4875.79	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106078	4814	10/25/2022	574-589	4771-4756	Dedicated pump	--	579-583	—	—	4874.37	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/22/2021	484-504	4863-4843	Portable pump	Yes	486	—	—	4876.62	BTEX, EDB, metals, anions, alkalinity, FP
	4857	10/25/2021	484-504	4863-4843	Portable pump	Yes	484-488	—	—	4874.63	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/14/2022	484-504	4863-4843	Portable pump	Yes	484-488	—	—	4876.35	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106079	4857	10/17/2022	484-504	4863-4843	Portable pump	Yes	484-488	—	—	4874.55	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/28/2021	503-518	4843-4828	Portable pump	--	505	—	—	4876.77	BTEX, EDB, metals, anions, alkalinity, FP
	4838	10/22/2021	503-518	4843-4828	Portable pump	--	503-507	—	—	4874.88	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/11/2022	503-518	4843-4828	Portable pump	--	503-507	—	—	4876.68	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106080	4838	10/19/2022	503-518	4843-4828	Portable pump	--	503-507	—	—	4875.26	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/14/2021	575-589	4772-4757	Portable pump	--	577	—	—	4876.56	BTEX, EDB, metals, anions, alkalinity, FP
	4814	10/18/2021	575-589	4772-4757	Portable pump	--	575-579	—	—	4874.68	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/22/2022	575-589	4772-4757	Portable pump	--	575-579	—	—	4876.17	BTEX, EDB, metals, anions, alkalinity, FP
KAFB-106081	4814	10/17/2022	575-589	4772-4757	Portable pump	--	575-579	—	—	4874.39	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/9/2021	472-492	4863-4843	Portable pump	Yes	474	—	—	4875.70	EDB, metals, anions, alkalinity, FP
	4857	10/14/2021	472-492	4863-4843	Portable pump	Yes	472-476	—	—	4873.77	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/15/2022	472-492	4863-4843	Portable pump	Yes	472-476	—	—	4875.35	EDB, metals, anions, alkalinity, FP
KAFB-106082	4857	10/10/2022	472-492	4863-4843	Portable pump	Yes	472-476	—	—	4873.67	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/9/2021	496-511	4840-4825	Portable pump	--	498	—	—	4875.81	EDB, metals, anions, alkalinity, FP
	4838	10/14/2021	496-511	4840-4825	Portable pump	--	496-500	—	—	4873.91	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/15/2022	496-511	4840-4825	Portable pump	--	496-500	—	—	4875.48	EDB, metals, anions, alkalinity, FP
KAFB-106083	4838	10/10/2022	496-511	4840-4825	Portable pump	--	496-500	—	—	4873.80	EDB, VOCs, metals, anions, alkalinity, FP

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Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4814	4/9/2021	566-581	4768-4753	Portable pump	--	568	—	—	4875.90	EDB, metals, anions, alkalinity, FP
	4814	10/14/2021	566-581	4768-4753	Portable pump	--	566-570	—	—	4873.94	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/15/2022	566-581	4768-4753	Portable pump	--	566-570	—	—	4875.60	EDB, metals, anions, alkalinity, FP
KAFB-106084	4814	10/10/2022	566-581	4768-4753	Portable pump	--	566-570	—	—	4873.93	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/12/2021	447-477	4871-4841	Passive sampler	Yes	447	—	—	4876.00	EDB, metals, anions, alkalinity
	4857	10/18/2021	447-477	4871-4841	Passive sampler	Yes	447-455	—	—	4873.83	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2022	447-477	4871-4841	Passive sampler	Yes	447-455	—	—	4875.49	EDB, metals, anions, alkalinity
KAFB-106085	4857	10/12/2022	447-477	4871-4841	Passive sampler	Yes	447-455	—	—	4873.73	EDB, VOCs, metals, anions, alkalinity
	4838	4/12/2021	476-491	4842-4827	Passive sampler	--	477	—	—	4876.03	EDB, metals, anions, alkalinity
	4838	10/18/2021	476-491	4842-4827	Passive sampler	--	477-485	—	—	4873.88	EDB, VOCs, metals, anions, alkalinity
	4838	4/5/2022	476-491	4842-4827	Passive sampler	--	477-485	—	—	4875.51	EDB, metals, anions, alkalinity
KAFB-106086	4838	10/12/2022	476-491	4842-4827	Passive sampler	--	477-485	—	—	4873.80	EDB, VOCs, metals, anions, alkalinity
	4814	4/12/2021	546-561	4771-4756	Passive sampler	--	547	—	—	4876.04	EDB, metals, anions, alkalinity
	4814	10/18/2021	546-561	4771-4756	Passive sampler	--	547-555	—	—	4873.85	EDB, VOCs, metals, anions, alkalinity
	4814	4/5/2022	546-561	4771-4756	Passive sampler	--	547-555	—	—	4875.54	EDB, metals, anions, alkalinity
KAFB-106087	4814	10/12/2022	546-561	4771-4756	Passive sampler	--	547-555	—	—	4873.80	EDB, VOCs, metals, anions, alkalinity
	4857	4/12/2021	460-480	4864-4844	Passive sampler	Yes	461	—	—	4875.43	EDB, metals, anions, alkalinity
	4857	10/14/2021	460-480	4864-4844	Passive sampler	Yes	461-469	—	—	4873.32	EDB, VOCs, metals, anions, alkalinity
	4857	4/6/2022	460-480	4864-4844	Passive sampler	Yes	461-469	—	—	4875.60	EDB, metals, anions, alkalinity
KAFB-106088	4857	10/10/2022	460-480	4864-4844	Passive sampler	Yes	461-469	—	—	4873.72	EDB, VOCs, metals, anions, alkalinity
	4838	4/12/2021	482-497	4842-4827	Passive sampler	--	482	—	—	4875.06	EDB, metals, anions, alkalinity
	4838	10/14/2021	482-497	4842-4827	Passive sampler	--	482-490	—	—	4872.94	EDB, VOCs, metals, anions, alkalinity
	4838	4/6/2022	482-497	4842-4827	Passive sampler	--	482-490	—	—	4875.16	EDB, metals, anions, alkalinity
KAFB-106089	4838	10/10/2022	482-497	4842-4827	Passive sampler	--	482-490	—	—	4873.30	EDB, VOCs, metals, anions, alkalinity
	4814	4/12/2021	555-570	4768-4753	Passive sampler	--	556	—	—	4875.50	EDB, metals, anions, alkalinity
	4814	10/14/2021	555-570	4768-4753	Passive sampler	--	556-564	—	—	4873.33	EDB, VOCs, metals, anions, alkalinity
	4814	4/6/2022	555-570	4768-4753	Passive sampler	--	556-564	—	—	4875.64	EDB, metals, anions, alkalinity
KAFB-106090	4814	10/10/2022	555-570	4768-4753	Passive sampler	--	556-564	—	—	4873.73	EDB, VOCs, metals, anions, alkalinity
	4857	4/7/2021	454-474	4860-4840	Passive sampler	Yes	455	—	—	4874.77	EDB, metals, anions, alkalinity
	4857	10/12/2021	454-474	4860-4840	Passive sampler	Yes	455-463	—	—	4872.45	EDB, VOCs, metals, anions, alkalinity
	4857	4/6/2022	454-474	4860-4840	Passive sampler	Yes	455-463	—	—	4874.62	EDB, metals, anions, alkalinity
KAFB-106091	4857	10/7/2022	454-474	4860-4840	Passive sampler	Yes	455-463	—	—	4872.83	EDB, VOCs, metals, anions, alkalinity
	4838	4/7/2021	474-489	4841-4826	Passive sampler	--	475	—	—	4874.57	EDB, metals, anions, alkalinity
	4838	10/13/2021	474-489	4841-4826	Passive sampler	--	475-483	—	—	4872.30	EDB, VOCs, metals, anions, alkalinity
	4838	4/6/2022	474-489	4841-4826	Passive sampler	--	475-483	—	—	4874.42	EDB, metals, anions, alkalinity
KAFB-106092	4838	10/7/2022	474-489	4841-4826	Passive sampler	--	475-483	—	—	4872.61	EDB, VOCs, metals, anions, alkalinity
	4814	4/7/2021	544-559	4771-4756	Passive sampler	--	545	—	—	4875.27	EDB, metals, anions, alkalinity
	4814	10/13/2021	544-559	4771-4756	Passive sampler	--	545-553	—	—	4872.99	EDB, VOCs, metals, anions, alkalinity
	4814	4/6/2022	544-559	4771-4756	Passive sampler	--	545-553	—	—	4875.16	EDB, metals, anions, alkalinity
KAFB-106093	4814	10/7/2022	544-559	4771-4756	Passive sampler	--	545-553	—	—	4873.36	EDB, VOCs, metals, anions, alkalinity
	4857	4/16/2021	484-504	4861-4841	Dedicated pump	Yes	494	—	—	4876.69	EDB, metals, anions, alkalinity, FP
	4857	10/26/2021	484-504	4861-4841	Dedicated pump	Yes	492-496	—	—	4874.66	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/22/2022	484-504	4861-4841	Dedicated pump	Yes	492-496	—	—	4876.34	EDB, metals, anions, alkalinity, FP
KAFB-106094	4857	10/24/2022	484-504	4861-4841	Dedicated pump	Yes	492-496	—	—	4874.96	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/12/2021	504-519	4841-4826	Portable pump	--	506	—	—	4876.35	EDB, metals, anions, alkalinity, FP
	4838	10/13/2021	504-519	4841-4826	Portable pump	--	504-508	—	—	4874.71	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/20/2022	504-519	4841-4826	Portable pump	--	504-508	—	—	4876.36	EDB, metals, anions, alkalinity, FP
KAFB-106095	4838	10/18/2022	504-519	4841-4826	Portable pump	--	504-508	—	—	4874.53	EDB, VOCs, metals, anions, alkalinity, FP

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4814	4/12/2021	576-591	4769-4754	Portable pump	--	578	—	—	4876.37	EDB, metals, anions, alkalinity, FP
	4814	10/13/2021	576-591	4769-4754	Portable pump	--	576-580	—	—	4874.76	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/20/2022	576-591	4769-4754	Portable pump	--	576-580	—	—	4876.40	EDB, metals, anions, alkalinity, FP
KAFB-106096	4814	10/18/2022	576-591	4769-4754	Portable pump	--	576-580	—	—	4874.59	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/7/2021	506-521	4842-4827	Portable pump	--	508	—	—	4876.61	BTEX, EDB, metals, anions, alkalinity, FP
	4838	7/9/2021	506-521	4842-4827	Portable pump	--	508	—	—	4876.18	BTEX, EDB, FP
	4838	10/8/2021	506-521	4842-4827	Portable pump	--	506-510	—	—	4874.89	EDB, VOCs, metals, anions, alkalinity, FP
	4838	1/11/2022	506-521	4842-4827	Portable pump	--	506-510	—	—	4875.17	BTEX, EDB, FP
	4838	4/12/2022	506-521	4842-4827	Portable pump	--	506-510	—	—	4876.54	BTEX, EDB, metals, anions, alkalinity, FP
	4838	7/11/2022	506-521	4842-4827	Portable pump	--	506-510	—	—	4876.31	BTEX, EDB, FP
KAFB-106097	4838	10/4/2022	506-521	4842-4827	Portable pump	--	506-510	—	—	4874.93	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/6/2021	531-546	4817-4802	Portable pump	--	533	—	—	4876.60	BTEX, EDB, metals, anions, alkalinity, FP
	4814	7/9/2021	531-546	4817-4802	Portable pump	--	533	—	—	4876.18	BTEX, EDB, FP
	4814	10/8/2021	531-546	4817-4802	Portable pump	--	531-535	—	—	4874.89	EDB, VOCs, metals, anions, alkalinity, FP
	4814	1/11/2022	531-546	4817-4802	Portable pump	--	531-535	—	—	4875.21	BTEX, EDB, FP
	4814	4/12/2022	531-546	4817-4802	Portable pump	--	531-535	—	—	4876.55	BTEX, EDB, metals, anions, alkalinity, FP
	4814	7/11/2022	531-546	4817-4802	Portable pump	--	531-535	—	—	4876.31	BTEX, EDB, FP
KAFB-106098	4814	10/4/2022	531-546	4817-4802	Portable pump	--	531-535	—	—	4874.92	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/8/2021	501-516	4842-4827	Portable pump	--	503	—	—	4877.11	BTEX, EDB, metals, anions, alkalinity, FP
	4838	7/12/2021	501-516	4842-4827	Portable pump	--	503	—	—	4876.61	BTEX, EDB, FP
	4838	10/12/2021	501-516	4842-4827	Portable pump	--	501-505	—	—	4875.47	EDB, VOCs, metals, anions, alkalinity, FP
	4838	1/13/2022	501-516	4842-4827	Portable pump	--	501-505	—	—	4875.88	BTEX, EDB, FP
	4838	4/14/2022	501-516	4842-4827	Portable pump	--	501-505	—	—	4877.03	BTEX, EDB, metals, anions, alkalinity, FP
	4838	7/12/2022	501-516	4842-4827	Portable pump	--	501-505	—	—	4876.67	BTEX, EDB, FP
KAFB-106099	4838	10/5/2022	501-516	4842-4827	Portable pump	--	501-505	—	—	4875.56	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/8/2021	526-541	4817-4802	Portable pump	--	528	—	—	4877.09	BTEX, EDB, metals, anions, alkalinity, FP
	4814	7/12/2021	526-541	4817-4802	Portable pump	--	528	—	—	4876.59	BTEX, EDB, FP
	4814	10/12/2021	526-541	4817-4802	Portable pump	--	526-530	—	—	4875.52	EDB, VOCs, metals, anions, alkalinity, FP
	4814	1/13/2022	526-541	4817-4802	Portable pump	--	526-530	—	—	4875.88	BTEX, EDB, FP
	4814	4/14/2022	526-541	4817-4802	Portable pump	--	526-530	—	—	4877.02	BTEX, EDB, metals, anions, alkalinity, FP
	4814	7/12/2022	526-541	4817-4802	Portable pump	--	526-530	—	—	4876.66	BTEX, EDB, FP
KAFB-106100	4814	10/5/2022	526-541	4817-4802	Portable pump	--	526-530	—	—	4875.57	EDB, VOCs, metals, anions, alkalinity, FP
	4838	4/6/2021	496-511	4842-4826	Portable pump	--	498	—	—	4877.46	BTEX, EDB, metals, anions, alkalinity, FP
	4838	7/8/2021	496-511	4842-4826	Portable pump	--	498	—	—	4876.96	BTEX, EDB, FP
	4838	10/11/2021	496-511	4842-4826	Portable pump	--	496-500	—	—	4876.01	EDB, VOCs, metals, anions, alkalinity, FP
	4838	1/12/2022	496-511	4842-4826	Portable pump	--	496-500	—	—	4876.01	BTEX, EDB, FP
	4838	4/13/2022	496-511	4842-4826	Portable pump	--	496-500	—	—	4877.21	BTEX, EDB, metals, anions, alkalinity, FP
	4838	7/8/2022	496-511	4842-4826	Portable pump	--	496-500	—	—	4876.98	BTEX, EDB, FP
KAFB-106101	4838	10/6/2022	496-511	4842-4826	Portable pump	--	496-500	—	—	4875.60	EDB, VOCs, metals, anions, alkalinity, FP
	4814	4/6/2021	521-535	4816-4803	Portable pump	--	523	—	—	4877.37	BTEX, EDB, metals, anions, alkalinity, FP
	4814	7/8/2021	521-535	4816-4803	Portable pump	--	523	—	—	4876.85	BTEX, EDB, FP
	4814	10/11/2021	521-535	4816-4803	Portable pump	--	521-525	—	—	4875.90	EDB, VOCs, metals, anions, alkalinity, FP
	4814	1/12/2022	521-535	4816-4803	Portable pump	--	521-525	—	—	4875.90	BTEX, EDB, FP
	4814	4/13/2022	521-535	4816-4803	Portable pump	--	521-525	—	—	4877.08	BTEX, EDB, metals, anions, alkalinity, FP
	4814	7/8/2022	521-535	4816-4803	Portable pump	--	521-525	—	—	4876.86	BTEX, EDB, FP
KAFB-106102	4814	10/6/2022	521-535	4816-4803	Portable pump	--	521-525	—	—	4875.51	EDB, VOCs, metals, anions, alkalinity, FP

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Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4838	4/9/2021	485-500	4843-4828	Passive sampler	--	486	—	—	4875.00	EDB, metals, anions, alkalinity
	4838	10/18/2021	485-500	4843-4828	Passive sampler	--	486-494	—	—	4872.77	EDB, VOCs, metals, anions, alkalinity
	4838	4/5/2022	485-500	4843-4828	Passive sampler	--	486-494	—	—	4875.21	EDB, metals, anions, alkalinity
KAFB-106103	4838	10/12/2022	485-500	4843-4828	Passive sampler	--	486-494	—	—	4873.16	EDB, VOCs, metals, anions, alkalinity
	4814	4/9/2021	510-525	4818-4803	Passive sampler	--	511	—	—	4875.20	EDB, metals, anions, alkalinity
	4814	10/18/2021	510-525	4818-4803	Passive sampler	--	511-519	—	—	4872.97	EDB, VOCs, metals, anions, alkalinity
	4814	4/5/2022	510-525	4818-4803	Passive sampler	--	511-519	—	—	4875.43	EDB, metals, anions, alkalinity
KAFB-106104	4814	10/12/2022	510-525	4818-4803	Passive sampler	--	511-519	—	—	4873.36	EDB, VOCs, metals, anions, alkalinity
	4838	4/7/2021	484-499	4838-4823	Passive sampler	--	485	—	—	4875.83	EDB, metals, anions, alkalinity
	4838	10/12/2021	484-499	4838-4823	Passive sampler	--	485-493	—	—	4872.86	EDB, VOCs, metals, anions, alkalinity
	4838	4/7/2022	484-499	4838-4823	Passive sampler	--	485-493	—	—	4875.32	EDB, metals, anions, alkalinity
KAFB-106105	4838	10/6/2022	484-499	4838-4823	Passive sampler	--	485-493	—	—	4873.45	EDB, VOCs, metals, anions, alkalinity
	4857	4/7/2021	454-484	4868-4838	Passive sampler	Yes	454	—	—	4875.79	EDB, metals, anions, alkalinity
	4857	10/12/2021	454-484	4868-4838	Passive sampler	Yes	454-462	—	—	4872.79	EDB, VOCs, metals, anions, alkalinity
	4857	4/7/2022	454-484	4868-4838	Passive sampler	Yes	454-462	—	—	4875.28	EDB, metals, anions, alkalinity
KAFB-106106	4857	10/6/2022	454-484	4868-4838	Passive sampler	Yes	454-462	—	—	4873.38	EDB, VOCs, metals, anions, alkalinity
	4814	4/7/2021	510-525	4812-4797	Passive sampler	--	511	—	—	4875.90	EDB, metals, anions, alkalinity
	4814	10/12/2021	510-525	4812-4797	Passive sampler	--	511-519	—	—	4872.93	EDB, VOCs, metals, anions, alkalinity
	4814	4/7/2022	510-525	4812-4797	Passive sampler	--	511-519	—	—	4875.37	EDB, metals, anions, alkalinity
KAFB-106107	4814	10/6/2022	510-525	4812-4797	Passive sampler	--	511-519	—	—	4873.50	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	354-484	4992-4862	Passive sampler	No	472	—	—	4876.80	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2021	354-484	4992-4862	Passive sampler	No	472	—	—	4876.29	EDB, metals, anions, alkalinity
	4857	11/12/2021	354-484	4992-4862	Passive sampler	No	472-480	—	—	4875.03	EDB, VOCs, metals, anions, alkalinity
	4857	1/20/2022	354-484	4992-4862	Passive sampler	No	472-480	—	—	4875.28	EDB, metals, anions, alkalinity
	4857	4/7/2022	354-484	4992-4862	Passive sampler	No	472-480	—	—	4876.42	BTEX, EDB, metals, anions, alkalinity
	4857	7/15/2022	354-484	4992-4862	Passive sampler	No	472-480	—	—	4876.23	EDB, metals, anions, alkalinity
KAFB-106149-484	4857	10/13/2022	354-484	4992-4862	Passive sampler	No	472-480	—	—	4875.14	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	355-484	4990-4861	Passive sampler	No	470	—	—	4876.42	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	355-484	4990-4861	Passive sampler	No	470	—	—	4875.92	EDB, metals, anions, alkalinity
	4857	10/19/2021	355-484	4990-4861	Passive sampler	No	472-480	—	—	4874.68	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	355-484	4990-4861	Passive sampler	No	472-480	—	—	4874.84	EDB, metals, anions, alkalinity
	4857	4/7/2022	355-484	4990-4861	Passive sampler	No	472-480	—	—	4876.11	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2022	355-484	4990-4861	Passive sampler	No	472-480	—	—	4875.87	EDB, metals, anions, alkalinity
KAFB-106151-484	4857	10/14/2022	355-484	4990-4861	Passive sampler	No	472-480	—	—	4874.79	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	355-484	4993-4864	Passive sampler	No	472	—	—	4876.81	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	355-484	4993-4864	Passive sampler	No	472	—	—	4876.25	EDB, metals, anions, alkalinity
	4857	10/19/2021	355-484	4993-4864	Passive sampler	No	472-480	—	—	4874.98	EDB, VOCs, metals, anions, alkalinity
	4857	1/11/2022	355-484	4993-4864	Passive sampler	No	475-482	—	—	4875.19	EDB, metals, anions, alkalinity
	4857	4/7/2022	355-484	4993-4864	Passive sampler	No	475-482	—	—	4876.47	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2022	355-484	4993-4864	Passive sampler	No	475-482	—	—	4876.20	EDB, metals, anions, alkalinity
KAFB-106152-484	4857	10/13/2022	355-484	4993-4864	Passive sampler	No	475-483	—	—	4875.01	EDB, VOCs, metals, anions, alkalinity
	4857	4/27/2021	355-484	4994-4865	Passive sampler	No	475	—	—	4876.72	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	355-484	4994-4865	Passive sampler	No	475	—	—	4876.19	EDB, metals, anions, alkalinity
	4857	10/19/2021	355-484	4994-4865	Passive sampler	No	472-480	—	—	4874.83	EDB, VOCs, metals, anions, alkalinity
	4857	1/11/2022	355-484	4994-4865	Passive sampler	No	475-483	—	—	4875.14	EDB, metals, anions, alkalinity
	4857	4/7/2022	355-484	4994-4865	Passive sampler	No	472-480	—	—	4876.39	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2022	355-484	4994-4865	Passive sampler	No	475-483	—	—	4876.13	EDB, metals, anions, alkalinity
KAFB-106153-484	4857	10/13/2022	355-484	4994-4865	Passive sampler	No	475-480	—	—	4874.94	EDB, VOCs, metals, anions, alkalinity

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4857	4/1/2021	487-517	4867-4837	Passive sampler	Yes	490	—	—	4875.10	EDB, metals, anions, alkalinity
	4857	7/8/2021	487-517	4867-4837	Passive sampler	Yes	490	—	—	4872.54	EDB
	4857	10/7/2021	487-517	4867-4837	Passive sampler	Yes	488-496	—	—	4869.10	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	487-517	4867-4837	Passive sampler	Yes	488-493	—	—	4872.38	EDB
	4857	4/4/2022	487-517	4867-4837	Passive sampler	Yes	488-496	—	—	4875.94	EDB, metals, anions, alkalinity
	4857	7/6/2022	487-517	4867-4837	Passive sampler	Yes	488-493	—	—	4874.06	EDB
KAFB-106201	4857	10/3/2022	487-517	4867-4837	Passive sampler	Yes	488-496	—	—	4871.87	EDB, VOCs, metals, anions, alkalinity
	4838	4/1/2021	517-532	4838-4823	Passive sampler	--	521	—	—	4875.08	EDB, metals, anions, alkalinity
	4838	7/8/2021	517-532	4838-4823	Passive sampler	--	521	—	—	4872.21	EDB
	4838	10/7/2021	517-532	4838-4823	Passive sampler	--	518-526	—	—	4868.76	EDB, VOCs, metals, anions, alkalinity
	4838	1/6/2022	517-532	4838-4823	Passive sampler	--	518-523	—	—	4872.48	EDB
	4838	4/4/2022	517-532	4838-4823	Passive sampler	--	518-526	—	—	4876.02	EDB, metals, anions, alkalinity
	4838	7/6/2022	517-532	4838-4823	Passive sampler	--	518-523	—	—	4874.03	EDB
KAFB-106202	4838	10/3/2022	517-532	4838-4823	Passive sampler	--	518-526	—	—	4872.00	EDB, VOCs, metals, anions, alkalinity
	4814	4/1/2021	620-635	4734-4719	Passive sampler	--	624	—	—	4874.58	EDB, metals, anions, alkalinity
	4814	7/8/2021	620-635	4734-4719	Passive sampler	--	624	—	—	4871.37	EDB
	4814	10/7/2021	620-635	4734-4719	Passive sampler	--	621-629	—	—	4867.90	EDB, VOCs, metals, anions, alkalinity
	4814	1/6/2022	620-635	4734-4719	Passive sampler	--	621-626	—	—	4872.16	EDB
	4814	4/4/2022	620-635	4734-4719	Passive sampler	--	621-629	—	—	4875.65	EDB, metals, anions, alkalinity
	4814	7/6/2022	620-635	4734-4719	Passive sampler	--	621-626	—	—	4873.45	EDB
KAFB-106203	4814	10/3/2022	620-635	4734-4719	Passive sampler	--	621-629	—	—	4871.73	EDB, VOCs, metals, anions, alkalinity
	4857	4/2/2021	463-493	4870-4840	Passive sampler	Yes	463	—	—	4875.88	EDB, metals, anions, alkalinity
	4857	7/8/2021	463-493	4870-4840	Passive sampler	Yes	463	—	—	4874.78	EDB
	4857	10/8/2021	463-493	4870-4840	Passive sampler	Yes	463-471	—	—	4871.89	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	463-493	4870-4840	Passive sampler	Yes	463-468	—	—	4872.95	EDB
	4857	4/5/2022	463-493	4870-4840	Passive sampler	Yes	463-471	—	—	4875.70	EDB, metals, anions, alkalinity
	4857	7/8/2022	463-493	4870-4840	Passive sampler	Yes	463-468	—	—	4875.36	EDB
KAFB-106204	4857	10/5/2022	463-493	4870-4840	Passive sampler	Yes	463-471	—	—	4872.98	EDB, VOCs, metals, anions, alkalinity
	4838	4/2/2021	493-508	4841-4826	Passive sampler	--	493	—	—	4875.88	EDB, metals, anions, alkalinity
	4838	7/8/2021	493-508	4841-4826	Passive sampler	--	493	—	—	4874.74	EDB
	4838	10/8/2021	493-508	4841-4826	Passive sampler	--	493-501	—	—	4871.86	EDB, VOCs, metals, anions, alkalinity
	4838	1/6/2022	493-508	4841-4826	Passive sampler	--	493-498	—	—	4872.96	EDB
	4838	4/5/2022	493-508	4841-4826	Passive sampler	--	493-501	—	—	4875.72	EDB, metals, anions, alkalinity
	4838	7/7/2022	493-508	4841-4826	Passive sampler	--	493-498	—	—	4875.33	EDB
KAFB-106205	4838	10/5/2022	493-508	4841-4826	Passive sampler	--	493-501	—	—	4872.97	EDB, VOCs, metals, anions, alkalinity
	4814	4/2/2021	594-608	4740-4725	Passive sampler	--	594	—	—	4875.87	EDB, metals, anions, alkalinity
	4814	7/8/2021	594-608	4740-4725	Passive sampler	--	594	—	—	4874.70	EDB
	4814	10/8/2021	594-608	4740-4725	Passive sampler	--	594-602	—	—	4871.85	EDB, VOCs, metals, anions, alkalinity
	4814	1/6/2022	594-608	4740-4725	Passive sampler	--	594-599	—	—	4872.95	EDB
	4814	4/5/2022	594-608	4740-4725	Passive sampler	--	594-602	—	—	4875.73	EDB, metals, anions, alkalinity
	4814	7/8/2022	594-608	4740-4725	Passive sampler	--	594-599	—	—	4875.28	EDB
KAFB-106206	4814	10/5/2022	594-608	4740-4725	Passive sampler	--	594-602	—	—	4872.98	EDB, VOCs, metals, anions, alkalinity
	4857	4/1/2021	473-503	4871-4841	Passive sampler	Yes	474	—	—	4875.64	EDB, metals, anions, alkalinity
	4857	7/7/2021	473-503	4871-4841	Passive sampler	Yes	474	—	—	4873.77	EDB
	4857	10/7/2021	473-503	4871-4841	Passive sampler	No	474-482	—	—	4870.22	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	473-503	4871-4841	Passive sampler	Yes	476-482	—	—	4872.80	EDB
	4857	4/4/2022	473-503	4871-4841	Passive sampler	No	474-482	—	—	4875.99	EDB, metals, anions, alkalinity
	4857	7/6/2022	473-503	4871-4841	Passive sampler	Yes	474-479	—	—	4874.59	EDB
KAFB-106207	4857	10/3/2022	473-503	4871-4841	Passive sampler	Yes	474-482	—	—	4872.42	EDB, VOCs, metals, anions, alkalinity

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4838	4/1/2021	503-518	4841-4826	Passive sampler	--	504	—	—	4875.54	EDB, metals, anions, alkalinity
	4838	7/7/2021	503-518	4841-4826	Passive sampler	--	504	—	—	4873.65	EDB
	4838	10/7/2021	503-518	4841-4826	Passive sampler	--	504-512	—	—	4870.15	EDB, VOCs, metals, anions, alkalinity
	4838	1/6/2022	503-518	4841-4826	Passive sampler	--	504-509	—	—	4872.76	EDB
	4838	4/4/2022	503-518	4841-4826	Passive sampler	--	504-512	—	—	4875.90	EDB, metals, anions, alkalinity
	4838	7/6/2022	503-518	4841-4826	Passive sampler	--	504-509	—	—	4874.45	EDB
KAFB-106208	4838	10/3/2022	503-518	4841-4826	Passive sampler	--	504-512	—	—	4872.37	EDB, VOCs, metals, anions, alkalinity
	4814	4/1/2021	603-617	4740-4726	Passive sampler	--	604	—	—	4875.47	EDB, metals, anions, alkalinity
	4814	7/7/2021	603-617	4740-4726	Passive sampler	--	604	—	—	4873.63	EDB
	4814	10/8/2021	603-617	4740-4726	Passive sampler	--	604-612	—	—	4870.24	EDB, VOCs, metals, anions, alkalinity
	4814	1/6/2022	603-617	4740-4726	Passive sampler	--	604-609	—	—	4872.94	EDB
	4814	4/4/2022	603-617	4740-4726	Passive sampler	--	604-612	—	—	4875.91	EDB, metals, anions, alkalinity
	4814	7/6/2022	603-617	4740-4726	Passive sampler	--	604-609	—	—	4874.32	EDB
KAFB-106209	4814	10/3/2022	603-617	4740-4726	Passive sampler	--	604-612	—	—	4872.58	EDB, VOCs, metals, anions, alkalinity
	4814	4/9/2021	543-558	4779-4764	Passive sampler	--	544	—	—	4874.44	EDB, metals, anions, alkalinity
	4814	10/15/2021	543-558	4779-4764	Passive sampler	--	544-552	—	—	4872.05	EDB, VOCs, metals, anions, alkalinity
	4814	4/5/2022	543-558	4779-4764	Passive sampler	--	544-552	—	—	4874.70	EDB, metals, anions, alkalinity
KAFB-106212	4814	10/11/2022	543-558	4779-4764	Passive sampler	--	544-552	—	—	4872.61	EDB, VOCs, metals, anions, alkalinity
	4857	4/9/2021	448-478	4877-4847	Passive sampler	No	451	—	—	4875.09	EDB, metals, anions, alkalinity
	4857	10/14/2021	448-478	4877-4847	Passive sampler	No	454-462	—	—	4872.57	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2022	448-478	4877-4847	Passive sampler	No	454-462	—	—	4875.23	EDB, metals, anions, alkalinity
KAFB-106213	4857	10/11/2022	448-478	4877-4847	Passive sampler	No	454-462	—	—	4873.04	EDB, VOCs, metals, anions, alkalinity
	4838	4/9/2021	478-493	4847-4833	Passive sampler	--	479	—	—	4875.19	EDB, metals, anions, alkalinity
	4838	10/14/2021	478-493	4847-4833	Passive sampler	--	479-487	—	—	4872.66	EDB, VOCs, metals, anions, alkalinity
	4838	4/4/2022	478-493	4847-4833	Passive sampler	--	479-487	—	—	4875.38	EDB, metals, anions, alkalinity
KAFB-106214	4838	10/11/2022	478-493	4847-4833	Passive sampler	--	479-487	—	—	4873.21	EDB, VOCs, metals, anions, alkalinity
	4814	4/9/2021	547-562	4779-4764	Passive sampler	--	548	—	—	4875.27	EDB, metals, anions, alkalinity
	4814	10/14/2021	547-562	4779-4764	Passive sampler	--	548-556	—	—	4872.73	EDB, VOCs, metals, anions, alkalinity
	4814	4/4/2022	547-562	4779-4764	Passive sampler	--	548-556	—	—	4875.46	EDB, metals, anions, alkalinity
KAFB-106215	4814	10/11/2022	547-562	4779-4764	Passive sampler	--	548-556	—	—	4873.30	EDB, VOCs, metals, anions, alkalinity
	4857	4/2/2021	456-486	4878-4848	Passive sampler	No	461	—	—	4875.53	EDB, metals, anions, alkalinity
	4857	7/7/2021	456-486	4878-4848	Passive sampler	No	461	—	—	4874.72	EDB
	4857	10/8/2021	456-486	4878-4848	Passive sampler	No	464-472	—	—	4872.34	EDB, VOCs, metals, anions, alkalinity
	4857	1/10/2022	456-486	4878-4848	Passive sampler	No	464-469	—	—	4872.94	EDB
	4857	4/5/2022	456-486	4878-4848	Passive sampler	No	461-469	—	—	4875.56	EDB, metals, anions, alkalinity
	4857	7/6/2022	456-486	4878-4848	Passive sampler	No	461-467	—	—	4874.96	EDB
KAFB-106216	4857	10/4/2022	456-486	4878-4848	Passive sampler	No	461-469	—	—	4873.19	EDB, VOCs, metals, anions, alkalinity
	4838	4/2/2021	485-500	4849-4834	Passive sampler	--	486	—	—	4875.54	EDB, metals, anions, alkalinity
	4838	7/7/2021	485-500	4849-4834	Passive sampler	--	486	—	—	4874.72	EDB
	4838	10/8/2021	485-500	4849-4834	Passive sampler	--	486-494	—	—	4872.44	EDB, VOCs, metals, anions, alkalinity
	4838	1/10/2022	485-500	4849-4834	Passive sampler	--	486-491	—	—	4873.01	EDB
	4838	4/5/2022	485-500	4849-4834	Passive sampler	--	486-494	—	—	4875.59	EDB, metals, anions, alkalinity
	4838	7/6/2022	485-500	4849-4834	Passive sampler	--	486-491	—	—	4874.98	EDB
KAFB-106217	4838	10/4/2022	485-500	4849-4834	Passive sampler	--	486-494	—	—	4873.23	EDB, VOCs, metals, anions, alkalinity

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Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4814	4/2/2021	552-567	4782-4767	Passive sampler	--	553	—	—	4875.18	EDB, metals, anions, alkalinity
	4814	7/7/2021	552-567	4782-4767	Passive sampler	--	553	—	—	4874.37	EDB
	4814	10/8/2021	552-567	4782-4767	Passive sampler	--	553-561	—	—	4872.14	EDB, VOCs, metals, anions, alkalinity
	4814	1/10/2022	552-567	4782-4767	Passive sampler	--	553-558	—	—	4872.66	EDB
	4814	4/5/2022	552-567	4782-4767	Passive sampler	--	553-561	—	—	4875.24	EDB, metals, anions, alkalinity
	4814	7/6/2022	552-567	4782-4767	Passive sampler	--	553-558	—	—	4874.61	EDB
KAFB-106218	4814	10/4/2022	552-567	4782-4767	Passive sampler	--	553-561	—	—	4872.88	EDB, VOCs, metals, anions, alkalinity
	4857	4/1/2021	463-493	4878-4848	Passive sampler	No	469	—	—	4875.59	EDB, metals, anions, alkalinity
	4857	10/11/2021	463-493	4878-4848	Passive sampler	No	468-476	NM	NM	NM	EDB, VOCs, metals, anions, alkalinity
	4857	4/4/2022	463-493	4878-4848	Passive sampler	No	468-476	—	—	4875.46	EDB, metals, anions, alkalinity
KAFB-106219	4857	10/3/2022	463-493	4878-4848	Passive sampler	No	468-476	—	—	4872.81	EDB, VOCs, metals, anions, alkalinity
	4838	4/1/2021	493-508	4847-4832	Passive sampler	--	494	—	—	4875.59	EDB, metals, anions, alkalinity
	4838	10/7/2021	493-508	4847-4832	Passive sampler	--	494-502	—	—	4871.75	EDB, VOCs, metals, anions, alkalinity
	4838	4/4/2022	493-508	4847-4832	Passive sampler	--	494-502	—	—	4875.44	EDB, metals, anions, alkalinity
KAFB-106220	4838	10/3/2022	493-508	4847-4832	Passive sampler	--	494-502	—	—	4872.82	EDB, VOCs, metals, anions, alkalinity
	4814	4/1/2021	561-576	4779-4764	Passive sampler	--	562	—	—	4875.57	EDB, metals, anions, alkalinity
	4814	10/7/2021	561-576	4779-4764	Passive sampler	--	562-570	—	—	4871.74	EDB, VOCs, metals, anions, alkalinity
	4814	4/4/2022	561-576	4779-4764	Passive sampler	--	562-570	—	—	4875.43	EDB, metals, anions, alkalinity
KAFB-106221	4814	10/3/2022	561-576	4779-4764	Passive sampler	--	562-570	—	—	4872.82	EDB, VOCs, metals, anions, alkalinity
	4857	4/2/2021	458-488	4875-4845	Passive sampler	Yes	461	—	—	4875.59	EDB, metals, anions, alkalinity
	4857	7/22/2021	458-488	4875-4845	Passive sampler	Yes	461	—	—	4874.66	EDB
	4857	10/8/2021	458-488	4875-4845	Passive sampler	No	464-471	—	—	4871.83	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	458-488	4875-4845	Passive sampler	No	464-469	—	—	4872.74	EDB
	4857	4/5/2022	458-488	4875-4845	Passive sampler	Yes	461-469	—	—	4875.65	EDB, metals, anions, alkalinity
	4857	7/6/2022	458-488	4875-4845	Passive sampler	No	461-466	—	—	4874.99	EDB
KAFB-106222	4857	10/4/2022	458-488	4875-4845	Passive sampler	No	461-469	—	—	4872.80	EDB, VOCs, metals, anions, alkalinity
	4838	4/2/2021	488-503	4846-4831	Passive sampler	--	489	—	—	4875.64	EDB, metals, anions, alkalinity
	4838	7/7/2021	488-503	4846-4831	Passive sampler	--	489	—	—	4874.73	EDB
	4838	10/8/2021	488-503	4846-4831	Passive sampler	--	489-496	—	—	4871.93	EDB, VOCs, metals, anions, alkalinity
	4838	1/6/2022	488-503	4846-4831	Passive sampler	--	489-494	—	—	4872.84	EDB
	4838	4/5/2022	488-503	4846-4831	Passive sampler	--	489-496	—	—	4875.71	EDB, metals, anions, alkalinity
	4838	7/6/2022	488-503	4846-4831	Passive sampler	--	489-494	—	—	4875.04	EDB
KAFB-106223	4838	10/4/2022	488-503	4846-4831	Passive sampler	--	489-497	—	—	4872.90	EDB, VOCs, metals, anions, alkalinity
	4814	4/2/2021	555-570	4780-4765	Passive sampler	--	556	—	—	4875.64	EDB, metals, anions, alkalinity
	4814	7/7/2021	555-570	4780-4765	Passive sampler	--	556	—	—	4874.71	EDB
	4814	10/8/2021	555-570	4780-4765	Passive sampler	--	556-564	—	—	4871.99	EDB, VOCs, metals, anions, alkalinity
	4814	1/6/2022	555-570	4780-4765	Passive sampler	--	556-561	—	—	4872.87	EDB
	4814	4/5/2022	555-570	4780-4765	Passive sampler	--	556-564	—	—	4875.70	EDB, metals, anions, alkalinity
	4814	7/6/2022	555-570	4780-4765	Passive sampler	--	556-561	—	—	4875.03	EDB
KAFB-106224	4814	10/4/2022	555-570	4780-4765	Passive sampler	--	556-564	—	—	4872.94	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2021	450-480	4876-4846	Passive sampler	No	453	—	—	4875.20	EDB, metals, anions, alkalinity
	4857	10/11/2021	450-480	4876-4846	Passive sampler	No	453-461	—	—	4871.93	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2022	450-480	4876-4846	Passive sampler	No	453-461	—	—	4875.09	EDB, metals, anions, alkalinity
KAFB-106225	4857	10/5/2022	450-480	4876-4846	Passive sampler	No	456-464	—	—	4872.67	EDB, VOCs, metals, anions, alkalinity
	4838	4/5/2021	480-495	4847-4832	Passive sampler	--	481	—	—	4875.51	EDB, metals, anions, alkalinity
	4838	10/11/2021	480-495	4847-4832	Passive sampler	--	481-489	—	—	4872.31	EDB, VOCs, metals, anions, alkalinity
	4838	4/5/2022	480-495	4847-4832	Passive sampler	--	481-489	—	—	4875.42	EDB, metals, anions, alkalinity
KAFB-106226	4838	10/5/2022	480-495	4847-4832	Passive sampler	--	481-489	—	—	4873.04	EDB, VOCs, metals, anions, alkalinity

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4814	4/5/2021	548-563	4780-4765	Passive sampler	--	549	—	—	4875.55	EDB, metals, anions, alkalinity
	4814	10/11/2021	548-563	4780-4765	Passive sampler	--	549-557	—	—	4872.39	EDB, VOCs, metals, anions, alkalinity
	4814	4/5/2022	548-563	4780-4765	Passive sampler	--	549-557	—	—	4875.45	EDB, metals, anions, alkalinity
KAFB-106227	4814	10/5/2022	548-563	4780-4765	Passive sampler	--	549-557	—	—	4873.10	EDB, VOCs, metals, anions, alkalinity
	4857/4838	4/7/2021	431-531	4883-4783	Passive sampler	No	442	—	—	4874.58	EDB
	4857/4838	10/13/2021	431-531	4883-4783	Passive sampler	No	442-447	—	—	4872.31	EDB
	4857/4838	4/6/2022	431-531	4883-4783	Passive sampler	No	442-447	—	—	4874.43	EDB
KAFB-106229	4857/4838	10/7/2022	431-531	4883-4783	Passive sampler	No	442-447	—	—	4872.64	EDB
	4814	4/2/2021	501-516	4824-4809	Passive sampler	--	502	—	—	4875.44	EDB, metals, anions, alkalinity
	4814	7/8/2021	501-516	4824-4809	Passive sampler	--	502	—	—	4874.90	EDB, metals, anions, alkalinity
	4814	10/11/2021	501-516	4824-4809	Passive sampler	--	502-510	—	—	4872.14	EDB, VOCs, metals, anions, alkalinity
	4814	1/6/2022	501-516	4824-4809	Passive sampler	--	502-510	—	—	4873.03	EDB, metals, anions, alkalinity
	4814	4/7/2022	501-516	4824-4809	Passive sampler	--	502-510	—	—	4875.21	EDB, metals, anions, alkalinity
	4814	7/7/2022	501-516	4824-4809	Passive sampler	--	502-510	—	—	4875.11	EDB, metals, anions, alkalinity
KAFB-106230	4814	10/6/2022	501-516	4824-4809	Passive sampler	--	502-510	—	—	4872.99	EDB, VOCs, metals, anions, alkalinity
	4857	4/6/2021	440-475	4888-4853	Passive sampler	No	454	—	—	4875.97	EDB, metals, anions, alkalinity
	4857	7/9/2021	440-475	4888-4853	Passive sampler	No	454	—	—	4875.14	EDB
	4857	10/28/2021	440-475	4888-4853	Passive sampler	No	456-464	—	—	4872.09	EDB, VOCs, metals, anions, alkalinity
	4857	1/7/2022	440-475	4888-4853	Passive sampler	No	456-461	—	—	4873.37	EDB
	4857	4/26/2022	440-475	4888-4853	Passive sampler	No	454-461	—	—	4875.87	EDB, metals, anions, alkalinity
	4857	7/7/2022	440-475	4888-4853	Passive sampler	No	454-459	—	—	4875.38	EDB
KAFB-106231	4857	10/26/2022	440-475	4888-4853	Passive sampler	No	456-464	—	—	4873.14	EDB, VOCs, metals, anions, alkalinity
	4814	4/6/2021	503-518	4824-4809	Passive sampler	--	504	—	—	4876.02	EDB, metals, anions, alkalinity
	4814	7/9/2021	503-518	4824-4809	Passive sampler	--	504	—	—	4875.18	EDB
	4814	10/28/2021	503-518	4824-4809	Passive sampler	--	504-512	—	—	4872.17	EDB, VOCs, metals, anions, alkalinity
	4814	1/7/2022	503-518	4824-4809	Passive sampler	--	504-509	—	—	4873.50	EDB
	4814	4/26/2022	503-518	4824-4809	Passive sampler	--	504-512	—	—	4875.94	EDB, metals, anions, alkalinity
	4814	7/7/2022	503-518	4824-4809	Passive sampler	--	504-509	—	—	4875.45	EDB
KAFB-106232	4814	10/26/2022	503-518	4824-4809	Passive sampler	--	504-512	—	—	4873.22	EDB, VOCs, metals, anions, alkalinity
	4857	4/7/2021	438-463	4878-4853	Passive sampler	No	441	—	—	4875.45	EDB, metals, anions, alkalinity
	4857	7/9/2021	438-463	4878-4853	Passive sampler	No	441	—	—	4875.08	EDB
	4857	10/13/2021	438-463	4878-4853	Passive sampler	No	444-452	—	—	4872.62	EDB, VOCs, metals, anions, alkalinity
	4857	1/10/2022	438-463	4878-4853	Passive sampler	No	444-449	—	—	4873.06	EDB
	4857	4/6/2022	438-463	4878-4853	Passive sampler	No	444-452	—	—	4875.10	EDB, metals, anions, alkalinity
	4857	7/7/2022	438-463	4878-4853	Passive sampler	No	444-449	—	—	4875.27	EDB
KAFB-106235-438	4857	10/7/2022	438-463	4878-4853	Passive sampler	No	444-452	—	—	4873.20	EDB, VOCs, metals, anions, alkalinity
	4838	4/6/2021	472-492	4844-4824	Passive sampler	--	473	—	—	4875.46	EDB, metals, anions, alkalinity
	4838	7/9/2021	472-492	4844-4824	Passive sampler	--	473	—	—	4875.08	EDB
	4838	10/13/2021	472-492	4844-4824	Passive sampler	--	473-481	—	—	4872.67	EDB, VOCs, metals, anions, alkalinity
	4838	1/10/2022	472-492	4844-4824	Passive sampler	--	473-478	—	—	4873.11	EDB
	4838	4/6/2022	472-492	4844-4824	Passive sampler	--	473-481	—	—	4875.13	EDB, metals, anions, alkalinity
	4838	7/7/2022	472-492	4844-4824	Passive sampler	--	473-478	—	—	4875.28	EDB
KAFB-106235-472	4838	10/7/2022	472-492	4844-4824	Passive sampler	--	473-481	—	—	4873.25	EDB, VOCs, metals, anions, alkalinity

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4814	4/7/2021	501-521	4815-4795	Passive sampler	--	502	—	—	4875.39	EDB, metals, anions, alkalinity
	4814	7/9/2021	501-521	4815-4795	Passive sampler	--	502	—	—	4875.00	EDB
	4814	10/13/2021	501-521	4815-4795	Passive sampler	--	502-510	—	—	4872.59	EDB, VOCs, metals, anions, alkalinity
	4814	1/10/2022	501-521	4815-4795	Passive sampler	--	502-507	—	—	4873.07	EDB
	4814	4/6/2022	501-521	4815-4795	Passive sampler	--	502-510	—	—	4875.08	EDB, metals, anions, alkalinity
	4814	7/7/2022	501-521	4815-4795	Passive sampler	--	502-507	—	—	4875.22	EDB
KAFB-106235-501	4814	10/7/2022	501-521	4815-4795	Passive sampler	--	502-510	—	—	4873.17	EDB, VOCs, metals, anions, alkalinity
	4857	4/7/2021	436-461	4880-4855	Passive sampler	No	442	—	—	4876.06	EDB, metals, anions, alkalinity
	4857	7/8/2021	436-461	4880-4855	Passive sampler	No	442	—	—	4875.46	EDB
	4857	10/12/2021	436-461	4880-4855	Passive sampler	No	444-452	—	—	4872.78	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	436-461	4880-4855	Passive sampler	No	447-452	—	—	4873.42	EDB
	4857	4/7/2022	436-461	4880-4855	Passive sampler	No	442-450	—	—	4875.77	EDB, metals, anions, alkalinity
	4857	7/6/2022	436-461	4880-4855	Passive sampler	No	442-447	—	—	4875.67	EDB
KAFB-106236-436	4857	10/6/2022	436-461	4880-4855	Passive sampler	No	444-452	—	—	4873.46	EDB, VOCs, metals, anions, alkalinity
	4838	4/7/2021	470-490	4846-4826	Passive sampler	--	471	—	—	4876.05	EDB, metals, anions, alkalinity
	4838	7/8/2021	470-490	4846-4826	Passive sampler	--	471	—	—	4875.42	EDB
	4838	10/12/2021	470-490	4846-4826	Passive sampler	--	471-479	—	—	4872.77	EDB, VOCs, metals, anions, alkalinity
	4838	1/6/2022	470-490	4846-4826	Passive sampler	--	471-476	—	—	4873.45	EDB
	4838	4/7/2022	470-490	4846-4826	Passive sampler	--	471-479	—	—	4875.77	EDB, metals, anions, alkalinity
	4838	7/6/2022	470-490	4846-4826	Passive sampler	--	471-476	—	—	4875.66	EDB
KAFB-106236-470	4838	10/6/2022	470-490	4846-4826	Passive sampler	--	471-479	—	—	4873.49	EDB, VOCs, metals, anions, alkalinity
	4814	4/7/2021	499-519	4817-4797	Passive sampler	--	500	—	—	4876.01	EDB, metals, anions, alkalinity
	4814	7/8/2021	499-519	4817-4797	Passive sampler	--	500	—	—	4875.37	EDB
	4814	10/12/2021	499-519	4817-4797	Passive sampler	--	500-508	—	—	4872.72	EDB, VOCs, metals, anions, alkalinity
	4814	1/6/2022	499-519	4817-4797	Passive sampler	--	500-505	—	—	4873.40	EDB
	4814	4/7/2022	499-519	4817-4797	Passive sampler	--	500-508	—	—	4875.73	EDB, metals, anions, alkalinity
	4814	7/6/2022	499-519	4817-4797	Passive sampler	--	500-505	—	—	4875.61	EDB
KAFB-106236-499	4814	10/6/2022	499-519	4817-4797	Passive sampler	--	500-508	—	—	4873.45	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	449-489	4899-4859	Passive sampler	No	473	—	—	4876.55	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2021	449-489	4899-4859	Passive sampler	No	473	—	—	4876.10	BTEX, EDB, metals, anions, alkalinity
	4857	10/15/2021	449-489	4899-4859	Passive sampler	No	476-484	—	—	4874.79	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	449-489	4899-4859	Passive sampler	No	473-481	—	—	4875.18	BTEX, EDB, metals, anions, alkalinity
	4857	4/6/2022	449-489	4899-4859	Passive sampler	No	473-481	—	—	4876.43	BTEX, EDB, metals, anions, alkalinity
	4857	7/11/2022	449-489	4899-4859	Passive sampler	No	473-481	—	—	4876.11	BTEX, EDB, metals, anions, alkalinity
KAFB-106240-449	4857	10/11/2022	449-489	4899-4859	Passive sampler	No	473-481	—	—	4874.87	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2021	428-468	4896-4856	Passive sampler	No	452	—	—	4875.11	EDB, metals, anions, alkalinity
	4857	7/12/2021	428-468	4896-4856	Passive sampler	No	452	—	—	4874.41	EDB, metals, anions, alkalinity
	4857	10/11/2021	428-468	4896-4856	Passive sampler	No	455-462	—	—	4872.21	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	428-468	4896-4856	Passive sampler	No	452-460	—	—	4872.59	EDB, metals, anions, alkalinity
	4857	4/6/2022	428-468	4896-4856	Passive sampler	No	452-460	—	—	4874.77	EDB, metals, anions, alkalinity
	4857	7/11/2022	428-468	4896-4856	Passive sampler	No	449-457	—	—	4874.73	EDB, metals, anions, alkalinity
KAFB-106241-428	4857	10/6/2022	428-468	4896-4856	Passive sampler	No	452-460	—	—	4872.73	EDB, VOCs, metals, anions, alkalinity
	4857	4/6/2021	418-458	4898-4858	Passive sampler	No	442	—	—	4876.05	EDB, metals, anions, alkalinity
	4857	7/9/2021	418-458	4898-4858	Passive sampler	No	442	—	—	4875.69	EDB, metals, anions, alkalinity
	4857	10/28/2021	418-458	4898-4858	Passive sampler	No	445-452	—	—	4873.88	EDB, VOCs, metals, anions, alkalinity
	4857	1/7/2022	418-458	4898-4858	Passive sampler	No	445-452	—	—	4874.21	EDB, metals, anions, alkalinity
	4857	4/26/2022	418-458	4898-4858	Passive sampler	No	445-452	—	—	4875.81	EDB, metals, anions, alkalinity
	4857	7/7/2022	418-458	4898-4858	Passive sampler	No	442-450	—	—	4875.59	EDB, metals, anions, alkalinity
KAFB-106242-418	4857	10/26/2022	418-458	4898-4858	Passive sampler	No	445-453	—	—	4874.14	EDB, VOCs, metals, anions, alkalinity

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Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4857	4/12/2021	426-465	4895-4856	Passive sampler	No	447	—	—	4875.60	EDB, metals, anions, alkalinity
	4857	7/9/2021	426-465	4895-4856	Passive sampler	No	447	—	—	4875.12	EDB, metals, anions, alkalinity
	4857	10/14/2021	426-465	4895-4856	Passive sampler	No	449-457	—	—	4873.33	EDB, VOCs, metals, anions, alkalinity
	4857	1/10/2022	426-465	4895-4856	Passive sampler	No	449-457	—	—	4873.61	EDB, metals, anions, alkalinity
	4857	4/6/2022	426-465	4895-4856	Passive sampler	No	449-457	—	—	4875.57	EDB, metals, anions, alkalinity
	4857	7/11/2022	426-465	4895-4856	Passive sampler	No	449-457	—	—	4875.19	EDB, metals, anions, alkalinity
KAFB-106243-425	4857	10/10/2022	426-465	4895-4856	Passive sampler	No	449-457	—	—	4873.64	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	445-485	4898-4858	Passive sampler	No	469	—	—	4877.04	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2021	445-485	4898-4858	Passive sampler	No	469	—	—	4876.48	BTEX, EDB, metals, anions, alkalinity
	4857	10/15/2021	445-485	4898-4858	Passive sampler	No	472-479	—	—	4875.48	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	445-485	4898-4858	Passive sampler	No	469-477	—	—	4875.72	BTEX, EDB, metals, anions, alkalinity
	4857	4/6/2022	445-485	4898-4858	Passive sampler	No	469-477	—	—	4876.85	BTEX, EDB, metals, anions, alkalinity
	4857	7/11/2022	445-485	4898-4858	Passive sampler	No	469-477	—	—	4876.52	BTEX, EDB, metals, anions, alkalinity
KAFB-106244-445	4857	10/11/2022	445-485	4898-4858	Passive sampler	No	472-480	—	—	4875.51	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	461-501	4897-4857	Passive sampler	No	485	—	—	4876.03	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	461-501	4897-4857	Passive sampler	No	485	—	—	4875.61	BTEX, EDB, metals, anions, alkalinity
	4857	10/18/2021	461-501	4897-4857	Passive sampler	No	487-495	—	—	4874.06	EDB, VOCs, metals, anions, alkalinity
	4857	1/5/2022	461-501	4897-4857	Passive sampler	No	484-492	—	—	4874.14	BTEX, EDB, metals, anions, alkalinity
	4857	4/6/2022	461-501	4897-4857	Passive sampler	No	484-492	—	—	4875.89	BTEX, EDB, metals, anions, alkalinity
	4857	7/11/2022	461-501	4897-4857	Passive sampler	No	484-492	—	—	4875.50	BTEX, EDB, metals, anions, alkalinity
KAFB-106245-460	4857	10/11/2022	461-501	4897-4857	Passive sampler	No	484-492	—	—	4873.90	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	450-490	4898-4858	Passive sampler	No	477	—	—	4876.80	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	450-490	4898-4858	Passive sampler	No	477	—	—	4876.30	BTEX, EDB, metals, anions, alkalinity
	4857	10/19/2021	450-490	4898-4858	Passive sampler	No	476-484	—	—	4875.03	EDB, VOCs, metals, anions, alkalinity
	4857	1/11/2022	450-490	4898-4858	Passive sampler	No	474-482	—	—	4875.30	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	450-490	4898-4858	Passive sampler	No	474-482	—	—	4876.53	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2022	450-490	4898-4858	Passive sampler	No	474-482	—	—	4876.33	BTEX, EDB, metals, anions, alkalinity
KAFB-106247-450	4857	10/11/2022	450-490	4898-4858	Passive sampler	No	474-482	—	—	4875.03	EDB, VOCs, metals, anions, alkalinity
	4857	4/5/2021	453-493	4901-4861	Portable pump	No	491	—	—	4875.73	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/7/2021	453-493	4901-4861	Portable pump	No	491	—	—	4875.41	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/7/2021	453-493	4901-4861	Portable pump	No	488-492	—	—	4873.71	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	1/10/2022	453-493	4901-4861	Portable pump	No	489-493	—	—	4874.18	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	4/11/2022	453-493	4901-4861	Portable pump	No	488-492	—	—	4875.81	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/7/2022	453-493	4901-4861	Portable pump	No	488-492	—	—	4875.42	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
KAFB-106248-452	4857	10/3/2022	453-493	4901-4861	Portable pump	No	488-492	—	—	4873.75	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP

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Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
KAFB-106249-450	4857	4/21/2021	450-490	4903-4863	Dedicated pump	No	470	—	—	4876.25	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/7/2021	450-490	4903-4863	Dedicated pump	No	470	—	—	4875.79	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/7/2021	450-490	4903-4863	Dedicated pump	No	486-490	—	—	4874.55	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	1/13/2022	450-490	4903-4863	Dedicated pump	No	486-490	—	—	4874.73	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	4/6/2022	450-490	4903-4863	Dedicated pump	No	486-490	—	—	4876.16	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/14/2022	450-490	4903-4863	Dedicated pump	No	486-490	—	—	4875.77	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/13/2022	450-490	4903-4863	Bladder pump	No	486-490	—	—	4874.67	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
KAFB-106250-447	4857	4/22/2021	448-488	4902-4862	Dedicated pump	No	468	—	—	4875.85	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/7/2021	448-488	4902-4862	Dedicated pump	No	468	—	—	4875.45	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/8/2021	448-488	4902-4862	Dedicated pump	No	484-488	—	—	4874.26	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	1/13/2022	448-488	4902-4862	Dedicated pump	No	484-488	—	—	4874.47	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	4/6/2022	448-488	4902-4862	Dedicated pump	No	484-488	—	—	4875.75	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/14/2022	448-488	4902-4862	Dedicated pump	No	484-488	—	—	4875.44	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/13/2022	448-488	4902-4862	Bladder pump	No	484-488	—	—	4874.04	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
KAFB-106251-443	4857	4/22/2021	444-484	4901-4861	Dedicated pump	No	464	—	—	4876.70	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/7/2021	444-484	4901-4861	Dedicated pump	No	464	—	—	4876.30	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/7/2021	444-484	4901-4861	Dedicated pump	No	480-484	—	—	4875.27	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	1/13/2022	444-484	4901-4861	Dedicated pump	No	480-484	—	—	4875.35	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	4/6/2022	444-484	4901-4861	Dedicated pump	No	480-484	—	—	4876.56	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/14/2022	444-484	4901-4861	Dedicated pump	No	480-484	—	—	4876.32	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/13/2022	444-484	4901-4861	Bladder pump	No	480-484	—	—	4875.41	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
KAFB-106252-425	4857	3/23/2021	425-465	4901-4861	Portable pump	No	463	—	—	4873.57	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/7/2021	425-465	4901-4861	Portable pump	No	463	—	—	4872.93	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/7/2021	425-465	4901-4861	Portable pump	No	461-465	—	—	4870.14	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	1/10/2022	425-465	4901-4861	Portable pump	No	461-465	—	—	4871.34	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	4/11/2022	425-465	4901-4861	Portable pump	No	461-465	—	—	4873.41	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/13/2022	425-465	4901-4861	Portable pump	No	461-465	—	—	4873.21	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/3/2022	425-465	4901-4861	Portable pump	No	461-465	—	—	4870.79	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
KAFB-106S10-443	4857	4/19/2021	446-486	4905-4865	Portable pump	No	484	—	—	4877.16	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/15/2021	446-486	4905-4865	Portable pump	No	484	—	—	4876.66	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/21/2021	443-483	4903-4863	Portable pump	No	479-483	0.44	4875.35	4875.24	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	1/12/2022	443-483	4903-4863	Portable pump	No	479-483	0.17	4875.50	4875.45	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	4/19/2022	443-483	4903-4863	Portable pump	No	473-477	—	—	4876.73	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	7/14/2022	443-483	4903-4863	Portable pump	No	479-483	—	—	4876.64	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
	4857	10/24/2022	443-483	4903-4863	Portable pump	No	479-483	—	—	4875.27	VOCs, EDB, GRO, DRO, metals, anions, alkalinity, FP
KAFB-106S1-447	4857	4/14/2021	447-487	4898-4858	Passive sampler	No	471	—	—	4877.09	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	447-487	4898-4858	Passive sampler	No	471	—	—	4876.54	BTEX, EDB, metals, anions, alkalinity
	4857	11/12/2021	447-487	4898-4858	Passive sampler	No	473-481	—	—	4875.22	EDB, VOCs, metals, anions, alkalinity
	4857	1/11/2022	447-487	4898-4858	Passive sampler	No	473-481	—	—	4875.38	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	447-487	4898-4858	Passive sampler	No	471-479	—	—	4876.71	BTEX, EDB, metals, anions, alkalinity
	4857	7/15/2022	447-487	4898-4858	Passive sampler	No	471-479	—	—	4876.48	BTEX, EDB, metals, anions, alkalinity
	4857	10/13/2022	447-487	4898-4858	Passive sampler	No	471-479	—	—	4875.24	EDB, VOCs, metals, anions, alkalinity
KAFB-106S2-451	4857	4/14/2021	451-491	4898-4858	Passive sampler	No	478	—	—	4876.85	BTEX, EDB, metals, anions, alkalinity
	4857	7/14/2021	451-491	4898-4858	Passive sampler	No	478	—	—	4876.28	BTEX, EDB, metals, anions, alkalinity
	4857	10/19/2021	451-491	4898-4858	Passive sampler	No	475-483	—	—	4875.01	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	451-491	4898-4858	Passive sampler	No	475-483	—	—	4875.15	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	451-491	4898-4858	Passive sampler	No	475-483	—	—	4876.54	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2022	451-491	4898-4858	Passive sampler	No	475-483	—	—	4876.27	BTEX, EDB, metals, anions, alkalinity
	4857	10/13/2022	451-491	4898-4858	Passive sampler	No	475-483	—	—	4874.88	EDB, VOCs, metals, anions, alkalinity
KAFB-106S3-449	4857	4/14/2021	449-489	4899-4859	Passive sampler	No	476	—	—	4876.24	BTEX, EDB, metals, anions, alkalinity
	4857	7/14/2021	449-489	4899-4859	Passive sampler	No	476	—	—	4875.78	BTEX, EDB, metals, anions, alkalinity
	4857	10/19/2021	449-489	4899-4859	Passive sampler	No	473-481	—	—	4874.27	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	449-489	4899-4859	Passive sampler	No	476-483	—	—	4874.49	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	449-489	4899-4859	Passive sampler	No	476-483	—	—	4875.96	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2022	449-489	4899-4859	Passive sampler	No	476-483	—	—	4875.61	BTEX, EDB, metals, anions, alkalinity
	4857	10/13/2022	449-489	4899-4859	Passive sampler	No	476-484	—	—	4874.26	EDB, VOCs, metals, anions, alkalinity

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Groundwater Monitoring Wells Sampled, Q2 2021 to Present

Location ID	Reference Elevation Interval (ft AMSL)	Sample Date	Screen Interval[a] (ft bgs)	Screen Interval[a] (ft AMSL)	Sampling System	Screen Submerged[b] (Yes/No)?	Estimated Sample Depth[c,d,e] (ft bgs)	Measured LNAPL Thickness (ft)	LNAPL Elevation (ft AMSL)	Groundwater Elevation Corrected for LNAPL Thickness[f] (ft AMSL)	Analytical Suite[g]
	4857	4/14/2021	446-486	4898-4858	Passive sampler	No	471	—	—	4876.83	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	446-486	4898-4858	Passive sampler	No	471	—	—	4876.35	BTEX, EDB, metals, anions, alkalinity
	4857	10/14/2021	446-486	4898-4858	Passive sampler	No	467-475	—	—	4875.07	EDB, VOCs, metals, anions, alkalinity
	4857	1/5/2022	446-486	4898-4858	Passive sampler	No	470-478	—	—	4875.21	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	446-486	4898-4858	Passive sampler	No	470-478	—	—	4876.41	BTEX, EDB, metals, anions, alkalinity
	4857	7/11/2022	446-486	4898-4858	Passive sampler	No	470-478	—	—	4876.34	BTEX, EDB, metals, anions, alkalinity
KAFB-106S4-446	4857	10/10/2022	446-486	4898-4858	Passive sampler	No	470-478	—	—	4874.72	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	446-486	4898-4858	Passive sampler	No	468	—	—	4876.70	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	446-486	4898-4858	Passive sampler	No	468	—	—	4876.03	BTEX, EDB, metals, anions, alkalinity
	4857	11/12/2021	446-486	4898-4858	Passive sampler	No	470-478	—	—	4874.59	EDB, VOCs, metals, anions, alkalinity
	4857	1/10/2022	446-486	4898-4858	Passive sampler	No	473-480	—	—	4874.78	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	446-486	4898-4858	Passive sampler	No	470-478	—	—	4876.31	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2022	446-486	4898-4858	Passive sampler	No	470-478	—	—	4876.07	BTEX, EDB, metals, anions, alkalinity
KAFB-106S5-446	4857	10/14/2022	446-486	4898-4858	Passive sampler	No	470-478	—	—	4874.79	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	451-491	4898-4858	Passive sampler	No	475	—	—	4876.64	BTEX, EDB, metals, anions, alkalinity
	4857	7/14/2021	451-491	4898-4858	Passive sampler	No	475	—	—	4875.91	BTEX, EDB, metals, anions, alkalinity
	4857	11/12/2021	451-491	4898-4858	Passive sampler	No	477-485	—	—	4874.58	EDB, VOCs, metals, anions, alkalinity
	4857	1/10/2022	451-491	4898-4858	Passive sampler	No	475-483	—	—	4874.79	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	451-491	4898-4858	Passive sampler	No	475-483	—	—	4876.22	BTEX, EDB, metals, anions, alkalinity
	4857	7/14/2022	451-491	4898-4858	Portable pump	No	487-491	—	—	4875.89	BTEX, EDB, metals, anions, alkalinity
KAFB-106S7-451	4857	10/14/2022	451-491	4898-4858	Passive sampler	No	475-483	—	—	4874.75	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	451-491	4897-4857	Passive sampler	No	476	—	—	4876.94	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	451-491	4897-4857	Passive sampler	No	476	—	—	4876.35	BTEX, EDB, metals, anions, alkalinity
	4857	10/19/2021	451-491	4897-4857	Passive sampler	No	474-482	—	—	4875.07	EDB, VOCs, metals, anions, alkalinity
	4857	1/11/2022	451-491	4897-4857	Passive sampler	No	474-482	—	—	4875.31	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	451-491	4897-4857	Passive sampler	No	474-482	—	—	4876.59	BTEX, EDB, metals, anions, alkalinity
	4857	7/12/2022	451-491	4897-4857	Passive sampler	No	474-482	—	—	4876.41	BTEX, EDB, metals, anions, alkalinity
KAFB-106S8-451	4857	10/13/2022	451-491	4897-4857	Passive sampler	No	474-482	—	—	4875.03	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	447-487	4899-4859	Passive sampler	No	471	—	—	4876.62	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2021	447-487	4899-4859	Passive sampler	No	471	—	—	4876.01	BTEX, EDB, metals, anions, alkalinity
	4857	10/19/2021	447-487	4899-4859	Passive sampler	No	471-478	—	—	4874.78	EDB, VOCs, metals, anions, alkalinity
	4857	1/6/2022	447-487	4899-4859	Passive sampler	No	473-481	—	—	4874.90	BTEX, EDB, metals, anions, alkalinity
	4857	4/7/2022	447-487	4899-4859	Passive sampler	No	471-478	—	—	4876.27	BTEX, EDB, metals, anions, alkalinity
	4857	7/13/2022	447-487	4899-4859	Passive sampler	No	473-481	—	—	4876.12	BTEX, EDB, metals, anions, alkalinity
KAFB-106S9-447	4857	10/13/2022	447-487	4899-4859	Passive sampler	No	473-481	—	—	4874.72	EDB, VOCs, metals, anions, alkalinity
	4857	4/14/2021	477-502	4863-4838	Portable pump	Yes	479	—	—	4877.13	EDB, metals, anions, alkalinity, FP
	4857	10/13/2021	477-502	4863-4838	Portable pump	Yes	477-481	—	—	4875.59	EDB, VOCs, metals, anions, alkalinity, FP
	4857	4/21/2022	477-502	4863-4838	Portable pump	Yes	477-481	—	—	4876.86	EDB, metals, anions, alkalinity, FP
KAFB-3411	4857	10/7/2022	477-502	4863-4838	Portable pump	Yes	477-481	—	—	4875.84	EDB, VOCs, metals, anions, alkalinity, FP

Table I-3-1
Groundwater Monitoring Wells Sampled, Q2 2021 to Present

[a] Screen interval is rounded to the nearest foot.
[b] Well screens in REI 4857 intersected the water table when they were installed, and current screen submergence is the result of the rise of the water table. Well screens in REI 4838 and 4814 were designed with the screened interval fully submerged to capture conditions at depths below the water table.
[c] Portable pumps were placed with the inlet approximately 2 ft below top of screen if screen was submerged or 2 ft above bottom of screen if screen was not submerged. The interval provided is the range from 2 ft above to 2 ft below the pump inlet depth.
[d] Dedicated pumps were placed with the inlet approximately halfway between top and bottom of screen if submerged or 2 ft above bottom of screen if not submerged. The interval provided is the range from 2 ft above to 2 ft below the pump inlet depth.
[e] Passive sampling depth is estimated to the nearest foot from the top of the highest sampler to the bottom of the lowest sampler deployed for the primary sample as recorded during passive sampler deployment. Actual sampling depth will extend below the estimated range when a duplicate or MS/MSD sample is collected in a given well. In wells where the screen is fully submerged, the midpoint of the highest sampler is 2 ft below the top of screen. In wells where the screen in not fully submerged, the highest sampler is placed on the highest "ring" that is expected to remain submerged until sampling is complete. A "ring" is the metal loop that attaches to the passive sampling device; the tether is secured to the ring in order to lower the device into the well.
[f] Groundwater elevation corrected for LNAPL thickness was calculated by the following formula: MRP Elevation - Depth to LNAPL/water interface + (LNAPL Thickness * Specific Gravity of Weathered JP4/JP8 Fuel) where the specific gravity of JP4/JP8 fuel is 0.7592. The specific gravity is based on the December 13, 2018 site-specific fuel testing report from PTS Laboratories using LNAPL collected from wells KAFB-106014, KAFB-106059, and KAFB-106079.
[g] The analytical methods for EDB and VOCs (including BTEX) are 8011 and 8260C, respectively. Metals analyses consisted of select total metals (arsenic, calcium, lead, potassium, magnesium, and sodium by analytical Method 6020A/6010C and select and dissolved metals (iron and manganese) (6010C). Anions analysis consisted of bromide by Method 300.0A, chloride by Method 300.0A, nitrate/nitrite nitrogen by Method 353.2, and sulfate by Method 300.0A. Field parameters include pH, specific conductivity, dissolved oxygen, oxidation reduction potential, temperature, and turbidity.
-- = well was designed with the screened interval fully submerged to capture conditions at depths below the water table
AMSL = above mean sea level
DRO = disel range organics
GRO = gasoline range organics
bgs = below ground surface
BTEX = benzene, toluene, ethylbenzene, and total xylene
EDB = 1,2-dibromoethane (ethylene dibromide)
ERPIMS = Environmental Resources Program Information Management System
FP = field parameters
ft = foot/feet
GWM = groundwater monitoring
ID = identification
REI = reference elevation interval
VOC = volatile organic compound