Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - deployment DATE: 3/16/2020

WEATHER: 70°F - clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bochisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
J Messenger / D. Schmeelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☒
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

Geotech SN:001 used

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Deployed passive samplers @ wells: KAFB-106236-436
KAFB-106236-470 KAFB-106236-499 KAFB-106235-438
KAFB-106235-472 KAFB-106235-501 KAFB-106231
KAFB-106231 KAFB-106225 KAFB-106226 KAFB-106227
O&M performed on: KAFB-106231 + KAFB-106232

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0757	left field office – 0807 Arrived @ KAFB-106236
0835	Deployed @ KAFB-106236-436 – 0848 deployed @ KAFB-106236-470
0900	Deployed @ KAFB-106236-499 – 0912 left KAFB-106236
0913	Arrived @ KAFB-106235 – Deployed @ KAFB-106235-438 @ 0940
0955	Deployed @ KAFB-106235-472 – 1010 deployed @ KAFB-106235-501

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 3/16/2020

1025	left KAFB-106235 — 1028 Arrived @ KAFB-106231 cluster
1045	Deployed @ KAFB-106231 — 1105 Deployed KAFB-106232
1113	left KAFB-106231 cluster — 1121 Arrived @ field office
1136	left field office — 1143 Arrived @ KAFB-106225 cluster.
1220	Deployed @ KAFB-106225 — 1235 deployed @ KAFB-106226
1250	deployed @ KAFB-106227 — 1255 left KAFB-106225 cluster
1304	Arrived @ field office — Clean out truck — SOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name: Joshua Messenger

Signature

EA Engineering, Science and Technology Inc., PBC

Reviewed by: Amanda Smith

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Initials: AS

Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team 1 - Deployment AS DATE: 3-17-2020

WEATHER: Mostly cloudy, 46°F @ 0700 to high of 70°F, Low wind.

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockish	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Nicole Peterson	EA
Dylan Schmelk	EA

NP

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☒
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
~~Solinst Water Level Meter 253054~~ geotech interface probe #0001 ☒	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

NP	

NP

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0750	Leave GWTS trailer for KAFB-~~106204~~ NP 106206 cluster
0800	Arrived at KAFB-106206 cluster
0935	Leaving KAFB-106206 cluster for KAFB-106052 cluster
0950	Arrived at KAFB-106052 AS cluster
1128	Leaving KAFB-106052 cluster for KAFB-106223 cluster

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 3-17-2020

1131	Arrived at KAFB-106223 cluster
1331	Leaving KAFB-106223 cluster for GWTS trailer
1340	Arrived at GWTS trailer
1350	Leaving GWTS trailer for KAFB-106219
1356	Arrived at KAFB-106219
1426	Leaving KAFB-106219 for KAFB-106229 ~~cluster~~ NP
1430	Arrived at KAFB-106229
1453	Moved truck up to KAFB-106092
1530	Leaving KAFB-106092 for GWTS trailer
1539	Arrived at GWTS trailer

NP

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Nicole Peterson
Name

Nicole Peterson
Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team 1 - Deployment AS DATE: 3-18-2020

WEATHER: 44°F @ 7a.m., high of 64°F. Partly cloudy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockish	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
Nicole Peterson	EA
Dylan Schnell<	EA

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☒	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

#0001 – Eastern interface probe

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the public and governmental employees, and problems encountered and remedies applied)

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0720	Left GWTS trailer for KAFB-106105 cluster
0730	Arrived at KAFB-106105 cluster.
0850	Leaving KAFB-106105 cluster for KAFB-106025
0852	Arrived at KAFB-106025
0920	Leaving KAFB-106025 for KAFB-106091 cluster

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) **DATE:** 3-18-2020

0930	Arrived at KAFB-106091 cluster
1036	Leaving KAFB-106091 cluster for KAFB-106041
1041	Arrived at KAFB-106041 cluster
1206	Leaving KAFB-106041 cluster for GWTS trailer.
1208	Arrived at GWTS trailer
1223	Leaving GWTS trailer for KAFB-106049 cluster
1235	Arrived at KAFB-106049 cluster
1340	Leaving KAFB-106049 cluster for GWTS trailer
1350	Arrived at GWTS trailer.

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Nicole Peterson
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/7/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 Deployment DATE: 3-19-2020

WEATHER: Wind WSW @ 18-32 mph, overcast with high of 55°F

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
Dylan Schmeelk	Geologist
Joshua Livingston	Engineer
	AS

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☒	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
~~Solinst Water Level Meter 253054~~ Geotech 0001 ☒	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the public and governmental employees, and problems encountered and remedies applied)

Deployed wells: KAFB-106207, KAFB-106209, KAFB-106208, KAFB-106058, KAFB-106240-449, KAFB-106241-428, KAFB-106070, KAFB-106071, KAFB-106072

JRL

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0721	Leave KAFB GWTS Office for KAFB-106207 cluster
0729	Arrive at KAFB-106207 cluster AS
0749	Deployed at KAFB-106207
0816	Deployed at KAFB-106208
0847	Deployed at KAFB-106209

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 3-19-2020

0855	Leave KAFB-106207 cluster for KAFB-106071 cluster
0909	Arrive at KAFB-106071 cluster
0959	Leave KAFB-106071 cluster for KAFB-106240
1009	Arrive at KAFB-106240
1044	Leave KAFB-106240 for KAFB-106241 cluster
1055	Arrive at KAFB-106241 cluster
1153	Leave KAFB-106241 cluster field office
1220	Arrive at field office, EOD

JRL

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Dylan Schweelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team 1 - Deployment DATE: 3-20-2020

WEATHER: 37°F at 7 a.m., high of 59°, partly cloudy in a.m. changing to mostly sunny

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockish	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Nicole Peterson	EA
Dylan Schmelk	EA
	NP

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
~~Solinst Water Level Meter 253054~~ Wh0001 geotech interface probe	☒	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0840	Security service arrived at KAFB-106026
	NP

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0730	Leaving GWTS trailer to meet security personnel at KAFB-106230/KAFB-106026
0750	Arrived at KAFB-106230, waiting down the street for security to show
0921	Leaving KAFB-106230 for KAFB-106023 NP cluster
0930	Arrived at KAFB-106023 cluster
1033	Leaving KAFB-106023 cluster to gas up truck

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 3-20-2020

1045	Arrived at gas station (Valero on Gibson & Carlisle)
1102	Leaving gas station for KAFB-106005 ~~cluster~~ NP
1109	Arrived at KAFB-106005 ~~cluster~~ NP
1145	Leaving KAFB-106005 for GWTS trailer
1147	Arrived at GWTS trailer
1153	Leaving GWTS trailer for KAFB-106009
1155	Arrived at KAFB-106009
1225	Leaving KAFB-106009 for KAFB-106001
1227	Arrived at KAFB-106001
1251	Leaving KAFB-106001 for GWTS field trailer
1255	Arrived at GWTS field trailer
1311	Leave field trailer for KAFB-106149
1314	Arrive at KAFB-106149
1320	Bail KAFB-106149 - No measurable NAPL.
1410	Stop bailing and deploy 4 DMS bags with GB
1503	Leave KAFB-106149 for field trailer
1507	Arrive at field trailer

NP

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Nicole Peterson
Name

Nicole Peterson
Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Deployment / BioTrap DATE: 3-23-2020 AS

WEATHER: Sunny, 61°F, light wind.

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Dylan Schmeelk	Geologist
Joshua Messenger	Geologist

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☒
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☒

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

	KAFB Biotrap sampled at 1021 (KAFB-10655), and DMS Deployed
1150	Sampled KAFB-10659 Biotrap.
1210	Deployed KAFB-10659 DMS.
1250	Sampled KAFB-10602R Biotrap.

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0936	Leave field trailer for KAFB-10655
0944	Arrive at KAFB-10655
1100	Leave KAFB-10655 for KAFB-10659
1114	Arrive at KAFB-10659
1216	Leave KAFB-10659 for KAFB-10602R

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 3-23-2020

1219	Arrive at KAFB-106012R
1304	Leave KAFB-106012R for field trailer
1306	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Dylan Schweers
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 Sampling DATE: 4-6-2020

WEATHER: mid 70s (°F); Mostly clear sky + breezy in afternoon

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the public and governmental employees, and problems encountered and remedies applied)

- Arrived @ field office - H&S briefing
- Sampled wells: KAFB-106236-436, KAFB-106236-470
- KAFB-106236-499, KAFB-106235-438, KAFB-106235-472
- KAFB-106235-501, KAFB-106225, KAFB-106226
- KAFB-106227, KAFB-106022, KAFB-106015

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0752	left field office - 0800 Arrived @ KAFB-106236
0820	Sampled KAFB-106236-436 - 0840 Sampled KAFB-106236-470
0910	Sampled KAFB-106236-499 - 0928 left KAFB-106236
0930	Arrived @ KAFB-106235 - 0955 Sampled KAFB-106235-438
1020	Sampled KAFB-106235-472 - 1055 Sampled KAFB-106235-501

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-6-2020

1110	left KAFB-106235 – 1117 Arrived @ field office
1125	Left field office – 1132 Arrived @ KAFB-106225 cluster
1150	Sampled KAFB-106227 – 1221 Sampled KAFB-106226
1308	Sampled KAFB-106225 – 1331 left KAFB-106225 cluster
1333	Arrived @ KAFB-106022 – 1351 Sampled KAFB-106022
1402	Left KAFB-106022 – 1405 Arrived @ KAFB-106015
1424	Sampled KAFB-106015 – 1443 left KAFB-106015
1500	Arrived @ field office – cleaned out truck and helped w/ shipping – EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Sampling DATE: 4-7-2020

WEATHER: mid 70s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bochisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeelk	Ef - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253066	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field trailer – H&S Briefing
- Sampled wells: KAFB-106224, KAFB-106223 KAFB-106222 KAFB-106205, KAFB-106206, KAFB-106204, KAFB-106055 KAFB-106057, KAFB-106229

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0745	left field office – 0752 Arrived @ KAFB-106224 cluster
0811	Sampled KAFB-106224 – 0840 Sampled KAFB-106223
0911	Sampled KAFB-106222 – 0939 Left KAFB-106224 cluster
0940	Arrived @ KAFB-106205 – 1003 Sampled KAFB-106206
1031	Sampled KAFB-106205 – 1111 Sampled KAFB-106204

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued)		DATE: 4-7-2020
1127	left KAFB-106204 cluster — 1129 Arrived @ KAFB-106055 cluster	
1146	Sampled KAFB-106055 - 1211 Sampled KAFB-106057	
1225	left KAFB-106055 cluster - 1226 Arrived @ KAFB-106229	
1238	Sampled KAFB-106229 - 1250 left KAFB-106229	
1305	Arrived @ field office — Shipping EOD	

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 – Sampling DATE: 4-8-2020

WEATHER: mid 70s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeelk	EA – Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☒

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office – H&S briefing
- Sampled wells: KAFB-106052, KAFB-106053, KAFB-106054 KAFB-106025, KAFB-106105, KAFB-106106, KAFB-106107 KAFB-106091, KAFB-106092, KAFB-106093

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0750	left field office – 0800 arrived @ KAFB-106052 cluster
0821	Sampled KAFB-106052 – 0846 Sampled KAFB-106053
0911	Sampled KAFB-106054 – 0928 left KAFB-106052 cluster
0929	Arrived @ KAFB-106025 – 0951 Sampled KAFB-106025
1007	Left KAFB-106025 – 1008 Arrived @ KAFB-106105 cluster

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-8-2020

1029	Sampled KAFB-106107 — 1051 Sampled KAFB-106105
1120	Sampled KAFB-106106 — 1143 left KAFB-106105 cluster
1152	Arrived @ field office — 1158 left field office
1205	Arrived @ KAFB-106091 cluster — 1223 Sampled KAFB-106092
1249	Sampled KAFB-106093 — 1311 Sampled KAFB-106091
1331	Left KAFB-106091 cluster — 1344 Arrived @ field office
	shipping/clean out truck — EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name: J. Messenger

Signature:

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 – Sampling DATE: 4-9-2020

WEATHER: low-mid 70s (°F); mostly sunny; breezy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bochisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeelk	Eq – Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

– Met @ field office – H&S briefing
– Sampled wells: KAFB-106241, KAFB-106058, KAFB-106240 KAFB-106049, KAFB-106051, KAFB-106050, KAFB-106043 KAFB-106041, KAFB-106042

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0741	Lft field office – 0750 Arrived @ KAFB-106058 cluster
0811	Sampled KAFB-106241 – 0841 Sampled KAFB-106058
0908	Lft KAFB-106058 cluster – 0912 Arrived @ KAFB-106240
0949	Sampled KAFB-106240 – 1022 left KAFB-106240
1027	Arrived @ KAFB-106049 cluster – 1046 Sampled KAFB-106049

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-9-2020

1109	Sampled KAFB-106051
1131	Sampled KAFB-106050
1146	Left KAFB-106049 cluster
1150	Arrived @ KAFB-106041 cluster
1220	Sampled KAFB-106043
1241	Sampled KAFB-106041
1301	Sampled KAFB-106042
1317	Left KAFB-106041 cluster
1325	Arrived @ field trailer -- Shipping EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Sampling DATE: 4-10-2020

WEATHER: 70°F; clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253058	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office - H&S briefing
- Sampled wells: KAFB-106026, KAFB-106230, KAFB-106207, KAFB-106208, KAFB-106209, KAFB-106027, KAFB-106103
- IPS on sit when we arrived @ 0739, off site @ 0834

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0732	Left field office – 0739 Arrived @ ~~field office~~ JM KAFB-106026 cluster
0755	Sampled KAFB-106026 – 0821 Sampled KAFB-106230
0834	Left KAFB-106026 cluster – 0839 Arrived @ KAFB-106207 cluster
0853	Sampled KAFB-106207 – 0921 Sampled KAFB-106208
0951	Sampled KAFB-106209 – 1005 Left KAFB-106207 cluster

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued)	DATE: 4-10-2020
1011	Arrived @ KAFB-106023 cluster - 1026 Sampled KAFB-106023
1049	Sampled KAFB-106103 - 1103 left KAFB-106023 cluster
1110	Arrived @ field office - Shipping / EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name J. Messenger

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: SSHO Team #1 - gauging. DATE: 04/14/2020

WEATHER: mid 50s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
John Hamm	EA - Site Health and Safety Office
Joshua Livingston	EA
	AS

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐ AS	Solinst Water Level Meter 253053 WH0012	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Completed 30 wells to record depth to groundwater.

AS

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0715	Conduct TGSM
0744	Setting up for wells -216, -217, -218
0830	Completed wells -216, -217, -280
0847	Set up on wells -204, -205, -206
0915	Completed wells -204, -205, -206

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 04/14/2020

0920	Set up on wells -231, -232
0940	Completed wells -231, -232
0950	Set up on wells - 029, -030, -031
1025	Completed wells - 029 - 030, -031.
1034	Set up on wells - 042, -021
1053	Completed wells -242, -021
1109	Set up on wells -243, -088 -089, -090
1146	Completed wells -243, -088 -089 -090
1150	Set up on wells -085, -086, -087
1217	Completed wells -085, -086, -087
1225	Set up on well -0212
1300	Completed well - 0212
1305	Set up on wells -0213, -214, -215
1348	Completed wells -213, -214, -215
1353	Set up on wells -219, -220, -221
1411	Completed wells -219, 220, -221
1430	Return to GWTS yard, unload truck
	Complete paperwork

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

John Hamm
Name

John D Hamm
Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2026

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team 1 - Gauging DATE: 4/15/2020

WEATHER: Sunny, cool to warm (low-mid 70s °F)

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferri	EA - Site Health and Safety Office
Josh Livingston	TEAM 1
Ginny Bracht	TEAM 1
	AS

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0 Wells gauged
KAFB-106041, 42, 43
KAFB-106105, 106106, 106107
KAFB-106052, 53, 54
KAFB-106049, 50, 51
KAFB-106025, 22, 23, 105, 15
KAFB-106055, 57, 58, 241
KAFB-106091, 92, 93
KAFB-106032, 33, 34
KAFB-106207, 208, 209

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0725 Left field trailer for KAFB-106041 cluster
0735 Arrived KAFB-106041 cluster
0740 Gauged KAFB-106041 42
0745 " " 42 43
0750 " " 43 41

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued)	DATE: 4/15/2020
0810	Arrive at KAFB-106105 cluster
0815	Gauge KAFB-106106
0825	" " 105
0833	" " 107
0845	Arrive at KAFB-106052 cluster
0850	Gauge KAFB-106054
0900	" " 053
0908	" " 052
0920	Arrive at KAFB-106049 cluster
0925	Gauge KAFB-106049
0935	Gauge KAFB-106050, gauge 51 at 0945
0952	Arrive at KAFB-106025
0955	Gauge KAFB-106025
1004	Arrive at KAFB-106055 cluster
1015	Gauge KAFB-106056
1025	" " -106057
1033	" " -106058
1043	" " -106241
1058	Arrive at KAFB-106091 cluster
1105	Gauge KAFB-106091
1111	" " 093
1119	" " 092
1155	Arrive at KAFB-106032 cluster
1200	Gauge KAFB-106032
1205	Gauge KAFB-106033
1210	" " 034
1222	Arrive at KAFB-106022

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Ginny Bracht
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: KS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued)	DATE: 4/15/~~2020~~ 03 2020
1226	Gauge KAFB-106022
1234	Arrive at KAFB-106103 cluster
1240	Gauge KAFB-106023
1280	" " -106103
1301	Arrive at KAFB-106207 cluster
1307	Gauge KAFB-106209
1315	Gauge " " 208
1325	Gauge " " 207
1340	Arrive at KAFB-106015
1400	Return to field trailer, end of day.

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Ginny Bracht
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Sampling/Gauging DATE: 4-16-2020

WEATHER: low 70s (of); clear sky; breezy to windy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053 and Geotech SN 0001	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office - H&S briefing
- Sampled wells: KAFB-106104, KAFB-106070, KAFB-106071, KAFB-106072, KAFB-106001, KAFB-106005, KAFB-106009
- Gauged wells: KAFB-106201, KAFB-106202, KAFB-106203, KAFB-106104, KAFB-106070, KAFB-106071, KAFB-106072, KAFB-106001, KAFB-106005, KAFB-106009

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0731	Lft field office – 0737 Arrived @ KAFB-106201 cluster to gauge
0800	Lft KAFB-106201 cluster – 0807 Arrived @ KAFB-106104
0826	Sampled KAFB-106104 – 0843 Lft KAFB-106104
0846	Arrived @ KAFB-106070 cluster – 0901 Sampled KAFB-106070
0933	Sampled KAFB-106072 – 1001 Sampled KAFB-106071

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-16-2020

1012	Left KAFB-106070 cluster – 1022 Arrived @ KAFB-106005
1041	Sampled KAFB-106005 – 1051 Left KAFB-106005 and arrived @ KAFB-106009
1141	Sampled KAFB-106009 – 1210 Left KAFB-106009 – 1214 Entered BFF
1216	Arrived @ KAFB-106001 – 1231 Sampled KAFB-106001 – 1248 AS left KAFB-106001
1251	Arrived @ field office to prep for shipping
1405	Left field office to gauge wells sampled from
1413	Arrived @ KAFB-106104 to gauge ~~Arrived @ KAFB-106070 cluster to gauge~~ om.
1422	Left KAFB-106104 – 1426 Arrived @ KAFB-106070 cluster
1443	Left KAFB-106070 cluster – 1451 Arrived @ KAFB-106005 to gauge
1506	Arrived @ KAFB-106009 to gauge – 1516 Arrived @ KAFB-106001 to gauge
1542	Left BFF – 1545 Arrived @ field office to ship samples – EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name: D. Messenger Signature:

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Sampling

WEATHER: low-mid 70s(°F) clear sky

DATE: 04-17-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Buckish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Galveston Begaye	TECH II
Joshua Messenger	Geologist II

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
~~YSI Professional Plus 15K101396 Wh0003~~ 15L100378	☒	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

— wells sampled: KAFB-106047, KAFB-106011
KAFB-106002, KAFB-106016

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0725	left trailer to drive off base to re-fuel
—	generator and compressor
0735	Arrived off base to re-fuel
0743	left off base location to trailer

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

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Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-17-2020

0750	Arrived at trailer
0821	Team #1 left field trailer to sample
0831	Arrived @ KAFB-106047
0917	sampled KAFB-106047 – 0940 left KAFB-106047
0941	Arrived @ KAFB-106011 – 0946 Compressor key broken; returning to field office – 0949 Arrived @ field office – 0951 left field office
0953	Arrived @ KAFB-106011
1113	sampled KAFB-106011 – 1130 left KAFB-106011
1131	Arrived @ KAFB-106002 – 1212 Sampled KAFB-106002
1234	left KAFB-106002 – 1236 Arrived @ KAFB-106016
1333	Sampled KAFB-106016 – 1349 left KAFB-106016
1354	Arrived @ field trailer to ship – EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 – Sampling

DATE: 4-20-2020

WEATHER: low 70s (°F); mostly cloudy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
S. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / G. Begaye	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003 18L100378	☒	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

JM
JM

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

– Met @ field trailer - H&S briefing
– Sampled wells: KAFB-106027, KAFB-106044, KAFB-106024
KAFB-106060

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0725	Left field office – 0730 Arrived @ KAFB-106027 cluster
0734	Left KAFB-106027 cluster to refuel compressor @ Truman Yard entrance
0742	Left Truman Yard entrance (refueling) - 0750 Arrived @ KAFB-106027 cluster
0836	Sampled KAFB-106027 – 0950 Sampled KAFB-106044
1010	Left KAFB-106027 cluster – 1013 Arrived @ KAFB-106024

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-20-2020

1111	Sampled KAFB-106024 – 1131. Left KAFB-106024
1136	Arrived @ KAFB-106060 – 1216 Sampled KAFB-106060
1239	left KAFB-106060 – 1242 Arrived @ field office to ship samples + IDW management — EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Joshua Messenger
Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 – Sampling

DATE: 4-21-2020

WEATHER: mid 70s (°F); mostly sunny

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Bogaye	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003 18210037B	☒	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	~~Solinst Water Level Meter 253053~~ GeoTech SN: 0001 JM	☒	Solinst Water Level Meter 253056	☐

JM

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office – H&S briefing
- Sampled wells: KAFB-106094, KAFB-106078, KAFB-106017, KAFB-106062

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0735	Left field office – 0742 Arrived @ KAFB-106094 cluster
0917	Sampled KAFB-106094 – 1003 left KAFB-106094 cluster
1010	Arrived @ KAFB-106078 – 1140 Sampled KAFB-106078
1203	Left KAFB-106078 – ~~Arrived @ KAFB-106~~ JM
1212	Arrived @ gas station – 1219 Left gas station

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-21-2020

1222 1422	Arrived @ KAFB-106017 –
1322	sampled KAFB-106017
1343	left KAFB-106017
1358	Arrived @ field office
1401	left field office
1406	Arrived @ Truman Gate parking lot to meet D. Schmeelk
1425	left Truman Gate PL
1430	Arrived @ KAFB-106062
1527	Sampled KAFB-106062
1546	left KAFB-106062
1550	Arrived @ field office to ship samples + IDW Mangement

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Sampling

DATE: 4-22-2020

WEATHER: Partly cloudy, mid 70's, breezy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Backisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / G. Begaye	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003 18L100378	X	YSI Professional Plus 15K101396 Wh0001		YSI Professional Plus 15L100541 Wh0002	
MiniRAE 3000 592-915778 Wh0005	X	MiniRAE 3000 592-915790 Wh0004		MiniRAE 3000 592-915579 Wh0006	
Hach 2100Q 15100C045034 Wh0008		Hach 2100Q 15100C044633 Wh0009		Hach 2100Q 15100C045025 Wh0007	X
Solinst Water Level Meter 253054 GeoTech SN: 0001	X	Solinst Water Level Meter 253053		Solinst Water Level Meter 253056	

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field trailer – H&S Briefing
- Collected ER202-01 from pump 1807B-752
- Sampled wells: KAFB-106038, KAFB-106039

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0822	Took ER202-01 — 0833 left field office
0840	Arrived @ gas station — 0850 left gas station
0855	Arrived @ KAFB-106038 cluster — 1030 couldn't get pump working; extracting pump + prepping for ER on new pump
1105	Took ER202-01 w/ pump 1807B-752 — 1147 Sampled KAFB-106038

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-22-2020

1418	sampled KAFB-106039
1508	left KAFB-106038 cluster
1530	Arrived @ field office to ship samples + IDW management (EOD)



5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Joshua Messenger
Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Sampling

DATE: 4-23-2020

WEATHER: mid 70s(°F); Mostly sunny - breezy to windy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bachisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / G. Begaye	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003 18L100378	☒	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

JM

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office - H&S. briefing
- Sampled wells: KAFB-1060.40, KAFB-106069 and KAFB-106012R

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0735	left field office - 0742 Arrived @ gas station - 0747 left gas station
0753	Arrived @ KAFB-106040 - 0932 Sampled KAFB-106040
1024	left KAFB-106040 - 1027 Arrived @ KAFB-106069
1202	Sampled KAFB-106069 - 1251 left KAFB-106069
1300	Arrived @ field office - 1306 left field office - 1309 Arrived @ KAFB-106012R

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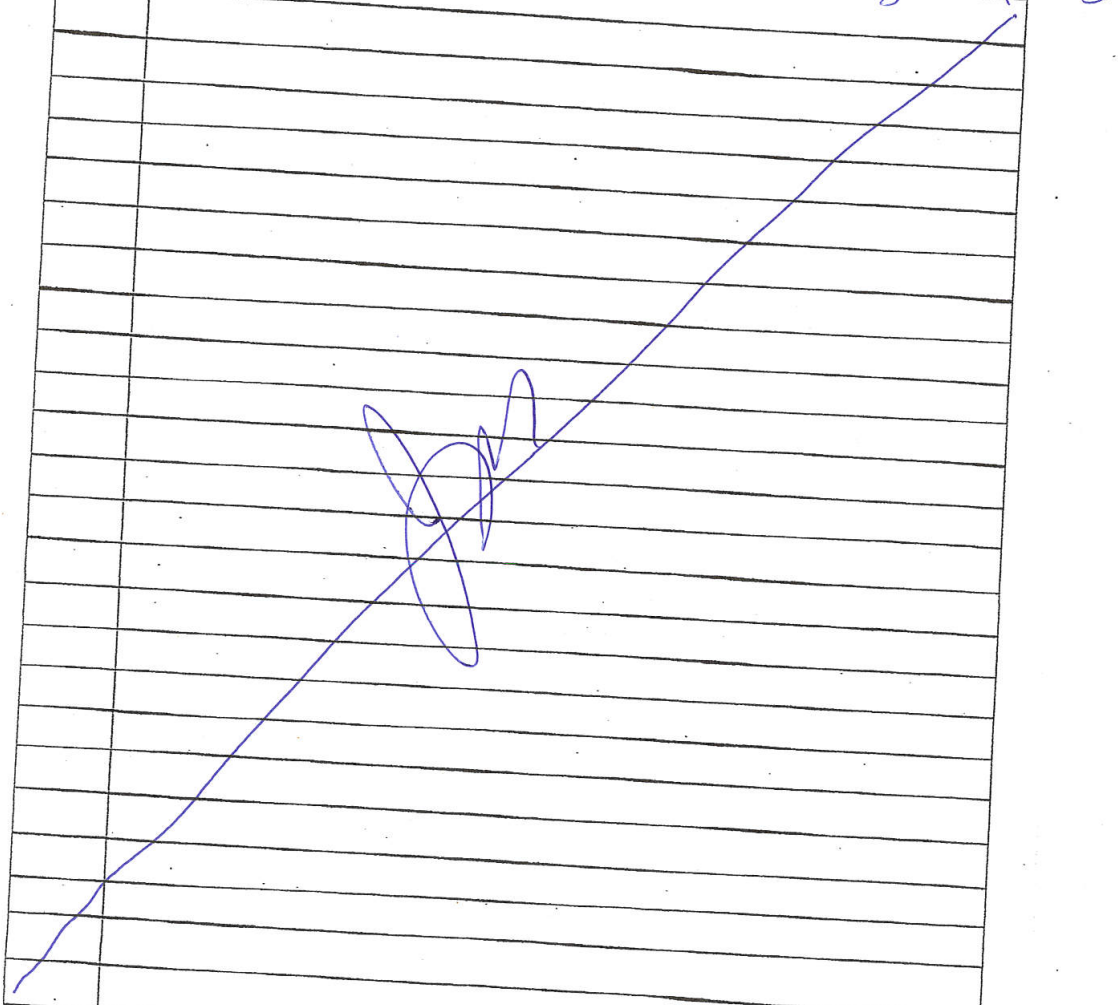
Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-23-2020

1357	Sampled KAFB-106012R - 1450 left KAFB-106012R
1454	Arrived @ field office to ship samples + IDW management (EOD)



5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Joshua Messenger
Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Sampler

DATE: 4-24-2020

WEATHER: mid 70s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Buchisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office / SA - Team #1
J. Messenger	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003 15L100378	☒	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office – H&S briefing
- Sampled wells: KAFB-106045, KAFB-3411, KAFB-106007

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0740	Left field office – 0746 Arrived @ KAFB-106045
0847	Sampled KAFB-106045 – 0938 Left KAFB-106045
0940	Arrived @ KAFB-3411 – 1038 Sampled KAFB-3411
1131	Left KAFB-3411 – 1135 Arrived @ KAFB-106007
1228	Sampled KAFB-106007 – 1331 Left KAFB-106007

Reviewed by: Amanda Smith

DQCR Page 1 of 2

Initials: AS

Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-24-2020

1337	Arrived @ field office to ship samples + IDW management

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Samplers - Team #1 DATE: 4-27-2020

WEATHER: Partly sunny, high of 84°F, light breeze

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Dylan Schmeelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus ~~15K101398~~ Wh0001 18C104594	☑	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☑	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☑
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☑	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

1015	Sample KAFB-106077
1256	Sample KAFB-106061

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0838	Leave field trailer for refueling off base
0845	Arrive at old gas station on Gibson and Louisiana
0900	Leave refueling site for KAFB-106077
0913	Arrive at KAFB-106077 - 1015 Sampled KAFB-106077
1122	Leave KAFB-106077 for field trailer

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued)	DATE: 4-27-2020
1130	Arrive at field trailer.
1146	Leave field trailer for KAFB-106061
1200	Arrive at KAFB-106061 – 1256 Sampled KAFB-106061
1357	Leave KAFB-106061 for field trailer
1403	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Dylan Schmeelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Samplers – Team #1 DATE: 4-28-2020

WEATHER: Sunny with high of 84°F, wind WNW @ 13-24 mph

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Boekisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Joshua Livingston	EA - Team #1
Dylan Schweelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus ~~15K101398~~ Wh0001 18C104594	☒	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0750/919	Sampled KAFB-106083
1125	Sampled KAFB ~~106084~~ JM 106084
1320	Sampled KAFB-106082

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0755	Leave field trailer for KAFB-106083 cluster
0825	Arrive at KAFB-106083 cluster
1354	Leave KAFB-106083 cluster for field trailer
1405	Arrive at field trailer

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-28-2020

EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Dylan Schwilk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Samplers - Team #1

DATE: 4-29-2020

WEATHER: Sunny, high of 80°F, windy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Joshua Livingston	EA - Truck #1
Dylan Schmeelk	EA - Truck #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus ~~15K101396~~ Wh0001 - 18C104594	☑	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☑	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☑
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☑	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0911	Samples KAFB-106048
1131	Samples KAFB-106095
1342	Samples KAFB-106087

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0818	Left field trailer for KAFB-106048
0822	Arrives KAFB-106048
1000	Leave KAFB-106048 for gas station
1006	Arrive at gas station
1020	Leave Gas station for KAFB-106095

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-29-2020

1024	Arrive at KAFB-106095
1231	Leave KAFB-106095 for KAFB-106081
1241	Arrive at KAFB-106081
1439	Leave KAFB-106081 for field trailer
1442	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Dylan Schweelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Sampler – Team #1

WEATHER: Sunny, High of 85°F, little to no breeze. DATE: 4-30-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Dylan Schmeelk	EA - Truck #1
Peter Ferrari	EA - Truck #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus ~~15K101398~~ Wh0001 18C104594	☒	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044533 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0919	Sampled KAFB-106073
1111	Sampled KAFB-106074
1330	Sampled KAFB-106003

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0802	Leave field trailer for KAFB-106073 cluster
0816	Arrive at KAFB-106073 cluster
1205	Leave KAFB-106073 cluster for field trailer
1218	Arrive at ~~KAFB-106~~ field trailer
1224	Leave field trailer for KAFB-106003

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-30-2020

1231	Arrive at KAFB-106003
1444	Leave KAFB-106003 for field trailer
1448	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

D. Schmeelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Samplers – Team #1

DATE: 5-1-2020

WEATHER: Sunny clear High 89°F Wind SW 9-15 mph

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
Dylan Schweelk	EA - Truck #1
Pete Ferrari	EA - Truck #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001 – 18C104594	☑	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☑	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C046025 Wh0007	☑
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☑	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0946	Sampled KAFB-106098
1221	Sampled KAFB-106013
1439	Sampled KAFB-106097

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0810	Leave field trailer for gas station
0820	Arrive at gas station
0834	Leave gas station for KAFB-106098 cluster
0843	Arrive at KAFB-106098 cluster
1538	Leave KAFB-106098 cluster for field trailer

Reviewed by: J. Messenger

Initials: JM

Reviewed date: 5-7-2020

DQCR Page 1 of 2

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 5-1-2020

1551	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

D. Schwedk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1

WEATHER: clear, sunny, 86°F, Breezy

DATE: 05-04-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Dylan Shmeelk	Geologist I
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus ~~15K101398~~ ~~Wh0001~~ GB 18C104594	☒	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Wells sampled: KAFB-106101, KAFB-106102

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0800	left trailer to KAFB-106100 cluster
0815	Arrived at KAFB-106100 cluster
0818	left KAFB-106100 cluster to trailer
0829	Arrived at trailer
0855	left trailer to KAFB-106101 cluster

DQCR Page 1 of 2

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 05-07-2020

0910	Arrived at KAFB-106101 cluster
1023	sampled KAFB-106101
1226	sampled KAFB-106102
1332	left KAFB-106101 cluster to trailer
1337	Arrived at trailer END OF DAYS

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 – Sampling

DATE: 5-5-2020

WEATHER: High 70s (°F); Mostly sunny; breezy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101396 Wh0003 18C104594	☒	YSI Professional Plus 15K101395 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

– Met @ field office – H&S briefing

– Sampled wells: KAFB-106100, KAFB-106099, KAFB-106004

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0732	Left field office – 0738 Arrived @ gas station – 0742 Left gas station
0750	Arrived @ KAFB-106100 cluster to sample
0930	Sampled KAFB-106100
1111	Sampled KAFB-106099
1300	Sampled KAFB-106004

DQCR Page 1 of 2

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 5-5-2020

1348	Left KAFB-106100 cluster.
1355	Arrived @ field office – shippings + IDW management (EOD)

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name: J. Messenger

Signature:

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Sampling

WEATHER: mid 80s (°F); clear sky

DATE: 5-6-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bochisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
~~J. Messenger~~ / G. Beggie	
J. Messenger / D. Schneelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
~~YSI Professional Plus 16K101398 Wh0003~~ 18C104594	☒	YSI Professional Plus 16K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 16100C045034 Wh0008	☐	Hach 2100Q 16100C044633 Wh0009	☐	Hach 2100Q 16100C045025 Wh0007	☒
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☒

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, conversations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office – H&S Briefing
- Took ER202-03
- Sampled KAFB-106059
- Bailed 0.14 ft LNAPL from KAFB-106059
- Took SWB202-02

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0820	Took ER202-03 w/pump 1807B-902
0845	left field office to re-fuel compressor/generator
0903	Arrived @ KAFB-106059
0920	Began bailing LNAPL from KAFB-106059 (measured 0.15 ft LNAPL)
1130	finished bailing KAFB-106059 (0.01 measured)

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 5-6-2020

1340	Sampled KAFB-106059
1440	Left KAFB-106059
1442	Arrived @ <90 day yard
1451	Left <90 day yard 1515 truck SWB202-02
1453	Arrived @ field office & Shipping (COD)

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: J. Messenger Initials: Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Sampler

WEATHER: Patchy clouds, High of 73°F, wind SE @ 17-34 mph

DATE: 5-8-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bodisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Dylan Schmeelk	EA - Team #1
Galveston Begaye	EA - Team #1

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001 18C104594	☑	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☑	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☑
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253055 Geotech 0001	☑	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

1133	Galveston arrived to help
1400	Galveston left for the weekend
	Wells sampled: KAFB-106096 @ 1300
	KAFB-106018 @ 1625

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

1047	leave field trailer for KAFB-106096
1100	Arrive at KAFB-106096 - pump pull still in progress
1134	KAFB-106096 cleared for sampling
1300	sampled KAFB-106096
1421	Leave KAFB-106096 for field office

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-11-2020

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Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 5-8-2020

1433	Arrive at Field trailer
1516	Leave Field trailer for KAFB-106018
1529	Arrive at KAFB-106018
1708	Leave KAFB-106018 for office (field trailer)
1721	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Dylan Schmeelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: J. Messenger Initials: Reviewed date: 5-11-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Sampler DATE: 05-19-2020

WEATHER: High of 88°F, partly cloudy, wind WSW@ 15-30 mph.

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeelk	EA - Team #1

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 18L100378 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☑	MiniRAE 3000 592-915579 Wh0006 ☐
Geotech 18081855 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253056 ☐	Solinst Water Level Meter 253053 ☐	Getech Water Level Meter 0001 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0919	Arrive at APTIM Yard to sample with Caitlin
	LaChance. Used APTIM instrumentation.
	Sampled: KAFB-106063@1055
	KAFB-106064@1020

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)

0916	Leave field trailer for KAFB-106064 cluster
0919	Arrive at KAFB-106064 cluster
1118	Leave KAFB-106064 cluster for field trailer
1122	Arrive at ~~KAFB~~ field trailer.

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Reviewed by: J. Messenger Reviewed date: 6-11-2020 ~~6-12-20~~

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued)	DATE: 5-19-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: ~~SSH~~ Deployer Team 2 DATE: 03-16-2020

WEATHER: Partly sunny, mid 60's(°F)

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Galveston Bugenje	Deployer/TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915679 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Wells deployed: KAFB-106015, KAFB-106021, KAFB-106022, KAFB-106029, KAFB-106030, KAFB-106031, KAFB-106085, KAFB-106086, KAFB-106087, KAFB-106242-418.

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0800	Leave field office
0807	Arrive at Valero for fuel
0817	Left Valero to KAFB-106022
0832	Arrived at KAFB-106022
0855	Deploy DMS KAFB-106022

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Reviewed by: Amanda Smith Initials: AB Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 3-16-2020

0910	Leave KAFB-106022
0917	Arrive @ KAFB-106242
0930	Deploy DMS KAFB-106242
0950	Leave KAFB-106242
0953	Arrive at KAFB-106021 → gasket seal needs reglued
1005	Deploy DMS in KAFB-106021
1015	Depart from KAFB-106021
~~1018~~	~~Deploy DMS KAFB-106021~~
1018	Arrived at KAFB-106029 cluster
1033	Arrive at KAFB-106030
1040	Deploy DMS in KAFB-106030
1050	Arrive at KAFB-106031
1110	Deploy DMS in KAFB-106031
1115	left KAFB-106031 to KAFB-106029
1116	Arrived at KAFB-106029
1125	Deploy DMS in KAFB-106029
1130	Left KAFB-106029
1145	Arrived at KAFB-106085 cluster
1146	Lunch
1205	begin deployment of DMS
1225	Deploy DMS in KAFB-106085
1245	Left KAFB-106085
1248	Arrive at KAFB-106087
1250	Deploy DMS in KAFB-106087
1255	left KAFB-106087
1310	Deploy DMS in KAFB-106086
1325	Arrived at KAFB-106015

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of ~~23~~ AS

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/202

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 03-16-2020

1340	Deploy DMS in KAFB-10G015
1355	Arrived at trailer END of DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page ~~2 of 2~~ 3 of 3 AS

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: TEAM 2 - DEPLOYMENT DATE: 3/17/2020

WEATHER: Cloudy, mid 60's (°F)

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
Galveston Begaye	TECH III
Josh Livingston	ENG. I
JRL	

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☑ JRL	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐ JR	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐ JRL
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Wells deployed:
KAFB-106202
KAFB-106201
KAFB-106203
KAFB-106216
KAFB-106217
KAFB-106218
KAFB-106057
KAFB-106055
KAFB-106220
KAFB-106221

JRL

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0752	Left field travel for KAFB-106201 cluster
0758	Arrives at KAFB-106201 cluster
0830	Deployes at KAFB-106202
0846	Deployes at KAFB-106201
0905	Deployes at KAFB-106203

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 3/17/2020

0913	Left KAFB-106201 cluster for KAFB-106216 cluster
0919	Arrived at KAFB-106216 cluster
0951	Deployed at KAFB-106216
1013	Deployed at KAFB-106217
1031	Deployed at KAFB-106218
1038	Left KAFB-106216 cluster for KAFB-106~~220~~055 cluster
1045	Arrived at KAFB-106~~220~~055 cluster
1112	Deployed at KAFB-106057
1137	Deployed at KAFB-106055
1145	Left KAFB-106055 cluster for KAFB-106220 cluster
1147	Arrived at KAFB-106220 cluster
1205	Deployed at KAFB-106220
1221	Deployed at KAFB-106221
1228	Left KAFB-106220 cluster for field trailer
1235	Arrived field trailer, EOD

JRL

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

JOSH LIVINGSTON
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 deployment DATE: 03-18-2020

WEATHER: Partly cloudy, upper 50s (OF)

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bochish	EA - Site Manager/Supervisor
Peter Perrari	EA - Site Health and Safetly Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915796 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☒
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

wells deployed:
KAFB-106032, KAFB-106033, KAFB-106034 AS
KAFB-106215, KAFB-106214, KAFB-106213,
KAFB-106212, KAFB-106035, KAFB-106036
KAFB-106037

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0730	Leave field office
0735	Arrive at VA lot KAFB-106032 cluster
0810	Deployed pms in well KAFB-106032
0820	Leave KAFB-106032
0825	Arrive at KAFB-106034

Reviewed by: Amanda Smith DQCR Page 1 of 2 Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 03-18-2020

0835	Deploy DMS in KAFB-106034
0842	Leave KAFB-106034
0844	Arrive at KAFB-106033
0856	deploy DMS in KAFB-106033
0915	Leaving KAFB-106033 to McDonald's for restroom break
0910	Arrived at Mcdonalds for restroom break
0920	left Mcdonalds to KAFB-106215 cluster
0925	Arrived at KAFB-106215 cluster
0945	deploy DMS in KAFB-106215
1005	deploy DMS in KAFB-106214
1030	deploy DMS in KAFB-106213
1040	left KAFB-106215 cluster to restroom
1045	Arrived at restroom
1051	left restroom to KAFB-106212
1053	Arrived at KAFB-106212
1110	deploy DMS in KAFB-106212
1118	Left KAFB-106212 to KAFB-106035 cluster
1120	Arrived at KAFB-106035 cluster
1135	deploy DMS in KAFB-106035
1150	Deploy DMS to KAFB-106036
1212	Deploy DMS to KAFB-106037
1258	Leave KAFB-106037, Return to KAFB-106215
1300	Arrive at KAFB-106215
1313	Left KAFB-106215 to trailer
1325	Arrived at trailer END OF DAY

AS

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 deployment DATE: 03-19-2020

WEATHER: Wind: WSW 17-32 mph, overcast, high of 55°F

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Buckish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☒
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☒	Solinst Water Level Meter 258056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Wells deployed:
KAFB-106088, KAFB-106089, KAFB-106090
KAFB-106243, KAFB-106244, KAFB-106247,
KAFB-106254, KAFB-106245, KAFB-106252,
KAFB-106512

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0805	left trailer to KAFB-106088 cluster
0812	Arrived at KAFB-106088 cluster
0845	Deploy DMS in KAFB-106090
0925	Deploy DMS in KAFB-106089
1000	Deploy DMS in KAFB-106088

DQCR Page 1 of 2 (3)

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 03-19-2020

1020	Drove from KAFB-106088 cluster to
—	KAFB-106243
1022	Arrived at KAFB-106243
1105	Deploy DMS in KAFB-106243
1120	left KAFB-106243 to restroom
1125	Arrived at restroom
1130	left restroom to KAFB-106244
1134	Arrived at KAFB-106244
1215	Deploy DMS in KAFB-106244
1221	Leave KAFB-106244 for KAFB-106247
1235	Arrive at KAFB-106247
1320	Deploy DMS in KAFB-106247
1325	left KAFB-106247 to KAFB-106S4
1329	Arrive at KAFB-106S4
1349	Deploy DMS in KAFB-106S4
1351	Leave KAFB-106S4 for KAFB-106245
1352	Arrive at KAFB-106245
1415	Deploy DMS in KAFB-106245
1416	left KAFB-106245 to trailer
1418	Arrived at trailer
1430	Leave field trailer for KAFB-106S2
1435	Arrive at KAFB-106S2
1455	Deploy DMS in KAFB-106S2
1457	Left KAFB-106S2 to KAFB-106S1
1500	Arrive at KAFB-106S1
1515	Deploy DMS in KAFB-106S1
1530	left KAFB-106S1 to trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Anacleta Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 03-19-2020

1545	Arrived at trailer END OF DAY

03-19-2020

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page ~~2 of 2~~ 3 of 3 AS

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/24/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: TEAM 2 Deployment. DATE: 3/20/2020

WEATHER: 37°F, windy and cloudy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
Josh Livingston	TEAM 2 / ENGINEER I
Galveston Begaye	TEAM 2 / TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☒
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☒

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

~~0737 Left Field Trailer for KAFB 106149 cluster~~ JRL

Wells deployed:

~~03~~ ~~KAFB-106149~~, KAFB-106153, KAFB-106151, KAFB-106153, KAFB-106079, KAFB-106008, KAFB-106152, KAFB-106158, KAFB-106028, KAFB-106157

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0737	Left field trailer for KAFB-106149 cluster
0744	Arrived at KAFB-106149 cluster
0837	Deployed at KAFB-106153
0846	Arrived at KAFB-106151
0909	Deployed DMS at KAFB-106151

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/29/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 3/20/2020

0915	left KAFB-106151 to KAFB-10653
0920	Arrived at KAFB-10653
1000	Deployed DMS in KAFB-10653
1005	left KAFB-10653 to KAFB-106079
1008	Arrived at KAFB106079
1030	Deploy DMS in KAFB-106079
1037	left KAFB-106079 to KAFB-106008
1042	Arrived KAFB-106008
1110	Deployed at KAFB-106008
1112	Left KAFB-106008 to KAFB-106152
1113	Arrived at KAFB-106152
1142	Deploy DMS in KAFB-106152
1150	left KAFB-106152 to KAFB-10658
1155	Arrived at KAFB-10658
1236	Deploy DMS in KAFB-10658
1240	Left KAFB-10658 for KAFB-106~~57~~ JRL 028
1250	Arrived KAFB-106028 and KAFB-106~~5~~ AS 7
1314	Deployed at KAFB-106028
1335	Deployed at KAFB-10657
1350	Left KAFB-10657 for field trailer
1358	Arrived field trailer, EOD.

JRL

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Gabrielle Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team 2 - Sampling DATE: 04-06-2020

WEATHER: clear 75°F

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Curtis Landers	Geologist I
Galveston Begaye	TECH III

CB 04-06-2020

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

wells sampled: KAFB-106021, KAFB-106087, KAFB-106029, KAFB-106030, KAFB-106031, KAFB-106085, KAFB-106086, KAFB-106231, KAFB-106232, KAFB-106241/2

CB

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0749	Leave field trailer headed for BFF trailer
0751	Arrive at BFF trailer for face mask
0757	Leave BFF trailer headed for cluster KAFB-106231
0815	Arrive at cluster KAFB-106231, barracades not up yet
0821	Leave cluster KAFB-106231 headed for KAFB-106085

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04/06/2020

0825	Arrive at cluster KAFB106085
0900	Sample KAFB106087
0935	Sample KAFB106086
1010	Sample KAFB106085
1042	Leave cluster KAFB106085 headed for field trailer
1056	Arrive at field trailer for water
1058	Leave field trailer headed for KAFB106231 cluster
1110	Arrive at cluster KAFB106231
1130	Sample KAFB106231
1155	Sample KAFB106232
1240	Leave cluster KAFB106231 headed for lunch
1250	Arrive at cluster KAFB106029
1305	Sampled KAFB106031
1335	Sampled KAFB106030
1410	Sampled KAFB106029
1427	Leave cluster KAFB106029 ~~arrive at cluster~~ CPL KAFB106242
1435	Arrive at cluster KAFB106242
1455	Sample KAFB106242
1525	Sample KAFB106021
1534	Leave cluster KAFB106242 headed for field trailer
1545	Arrive at field trailer and prepare to ship samples.
	EOD
	CPL 04/06/2020

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Curtis Landers
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Samplers, Team 2 DATE: 04-07-2020

WEATHER: mid 70s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bochisch	EA - Site Manager/Supervisor
Pete Ferraro	EA - Site Health and Safetly Office
Galveston Begaye	Tech III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Wells sampled: KAFB-106201, KAFB-106202, KAFB-106203, KAFB-106219, KAFB-106220, KAFB-106221, KAFB-106218, KAFB-106217 KAFB-106216

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0745	Leave field office
0755	Arrive at cluster, sample 202 first
0815	sampled KAFB-106201
0850	sampled KAFB-106202

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued)	DATE: 04-07-2020
0915	sampled KAFB-106203
0935	Left ~~20ft~~ KAFB-106201 cluster
—	to KAFB-106219 cluster
0950	Arrive at KAFB-106219 cluster.
1010	sampled KAFB-106219
1040	sampled KAFB-106220
1100	sampled KAFB-106221
1121	Leave KAFB-106219 cluster, head to
—	KAFB-106216 cluster
1130	LUNCH
1145	began sampling KAFB-106216 cluster
1200	sampled KAFB-106218
1230	sampled KAFB-106217
1310	sampled KAFB-106216
1350	left KAFB-106216 cluster to
1406	Return from sampling, arrive
—	at field office. END OF DAY

04-07-2020

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 - Sampling DATE: 04-08-2020

WEATHER: mid 70s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Buckroth	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

wells sampled: KAFB-106032, KAFB-106033, KAFB-106034, KAFB-106215, KAFB-106214, KAFB-106213, KAFB-106037, KAFB-106036, KAFB-106035, KAFB-106212

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0753	Truck loaded, leave field office
0805	KAFB-106032 cluster, arrive at cluster
0830	sampled KAFB-106032
0905	sampled KAFB-106033
0925	sampled KAFB-106034

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-08-2020

0955	left KAFB-106032 cluster to KAFB-106215
—	cluster
0959	Arrive at KAFB-106215 cluster
1015	sampled KAFB-106215
1040	sampled KAFB-106214
1100	sampled KAFB-106213
1120	left KAFB-106215 cluster to KAFB-106035
—	cluster
1123	Arrived at KAFB-106035 cluster
1125	Lunch
1200	sampled KAFB-106037
1235	sampled KAFB-106036
1300	sampled KAFB-106035
1315	left KAFB-106035 cluster to KAFB-106212
1317	Arrived at KAFB-106212
1330	sampled KAFB-106212
1350	left KAFB-106212 to trailer
1400	Arrived at trailer END OF DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 - Sampling DATE: 04-09-2020

WEATHER: 70s (°F); Clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrand	EA - Site Health and Safety Office
Galveston Begaye	Tech III

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☒	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☒	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

wells sampled: KAFB-106243, KAFB-106090, KAFB-106089, KAFB-106088, KAFB-106244 KAFB-106245, KAFB-106254, KAFB-106247 KAFB-106251, KAFB-106252

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0805	left trailer to KAFB-106243
0815	Arrive at KAFB-106243
0830	sampled KAFB-106243
0905	sampled KAFB-106090
0930	sampled KAFB-106089

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued)	DATE: 04-09-2020
1000	sampled KAFB-106088
1038	left KAFB-106088 to KAFB-106244
1045	Arrived at KAFB-106244
1105	Sampled KAFB-106244
1125	left KAFB-106244 to trailer
1135	Arrived at trailer and lunch
1205	left to KAFB-106245 from trailer
1210	Arrived at KAFB-106245
1225	Sampled KAFB-106245
1245	left KAFB-106245 to KAFB-106S4
1250	Arrived at KAFB-106S4
1300	sampled KAFB-106S4
1325	left KAFB-106S4 to trailer
1330	Arrived at trailer for restroom
1335	left trailer to KAFB-106247
1340	Arrived at KAFB-106247
1355	Sampled KAFB-106247
1412	left KAFB-106247 to KAFB-106S1
1415	Arrived at KAFB-106S1
1425	sampled KAFB-106S1
1454	Left KAFB-106S1 to KAFB-106S2
1500	Arrived at KAFB-106S2
1510	Sampled KAFB-106S2
1538	left KAFB-106S2 to trailer
1542	Arrived at trailer END of DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name: Gabrielle Begaye Signature:

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: TEAM 2 - Sampling DATE: 4/10/2020

WEATHER: Partly cloudy, upper 60s(°F)

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrini	EA - Site Health and Safety Office
Galveston Begaye	TECH III - Team 2
Josh Livingston	ENGINEER I - Team 2

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C046025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Wells Sampled:

KAFB-106028, KAFB-10658, KAFB-10653, KAFB-106079

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0740	Left field trailer for KAFB-106028
0751	Arrived ~~field~~ at KAFB-106028
0810	sampled KAFB-106028
0855	left KAFB-106028 to KAFB-10658
0911	Arrived KAFB-10658

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-10-2020

0925	sampled KAFB-10658
0946	Left KAFB-10658 for KAFB-10653
0950	ARRIVED KAFB-10653
1005	sampled KAFB-10653
1029	left KAFB-10653 to KAFB-106079
1031	Arrived at KAFB-106079
1045	sampled KAFB-106079
1104	Left KAFB-106079 for field trailer
1109	Arrives field Trailer END of DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team 2 - Gauging

DATE: 04-14-2020

WEATHER: mid 50s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Galveston Beyuge	TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

water level meter SN: 0001 | KAFB-106245, KAFB-106247
wells gauged: KAFB-106048, KAFB-106047,
KAFB-106046, KAFB-106002, KAFB-106003,
KAFB-106004, KAFB-106017, KAFB-106018,
KAFB-106019, KAFB-106024, KAFB-106038,
KAFB-106039, KAFB-106040, KAFB-106062,
KAFB-106067, KAFB-106068, KAFB-106069,
KAFB-106082, KAFB-106083, KAFB-106084,
KAFB-106094, KAFB-106095, KAFB-106096, KAFB-106099,
KAFB-106100, KAFB-106101, KAFB-106102, KAFB-106211, KAFB-106244

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0730	left trailer to KAFB-106048 cluster
0745	Arrived at KAFB-106048 cluster for gauging
0800	left KAFB-106048 cluster to KAFB-106062
0805	Arrived at KAFB-106062
0815	left KAFB-106062 to KAFB-106247

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Reviewed by: Amanda Smith

Initials: AS

Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-14-2020

0825	Arrived at KAFB-106247
0835	left KAFB-106247 to KAFB-106024
0840	Arrived at KAFB-106024
0850	left KAFB-106024 to KAFB-106101 cluster
0855	Arrived at KAFB-106101 cluster
0905	left KAFB-106101 cluster to KAFB-106002
0908	Arrived at KAFB-106002
0918	left KAFB-106002 to KAFB-106152
0920	Arrived at KAFB-106152
0945	left KAFB-106152 to KAFB-106067 cluster
1000	Arrived at KAFB-106067 cluster
1025	left KAFB-106067 cluster to KAFB-106094 cluster
1030	Arrived at KAFB-106094 cluster
1055	left KAFB-106094 cluster to KAFB-106082 cluster
1100	Arrived at KAFB-106082 cluster & Lunch
1215	left KAFB-106082 cluster to KAFB-106038 cluster
1220	Arrived at KAFB-106038 cluster
1245	left KAFB-106038 cluster to KAFB-106019
1250	Arrived at KAFB-106019
1300	left KAFB-106019 to KAFB-106211 cluster
1305	Arrived at KAFB-106211 cluster
1320	left KAFB-106211 cluster to KAFB-106244
1325	Arrived at KAFB-106244
1335	left KAFB-106244 to KAFB-106099 cluster
1340	Arrived at KAFB-106099 cluster
1400	left KAFB-106099 cluster to KAFB-106245
1425	Arrived at KAFB-106245

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Gabreston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 23

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-14-2020

1435	Left KAFB-106245 to KAFB-106099 cluster
—	to get the metal straight edge
1450	Arrived at KAFB-106099 cluster
1452	Left KAFB-106099 cluster to trailer
1510	Arrived at KAFB-Field trailer END OF DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2 3 of 3

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 - gauging DATE: 04-15-2020

WEATHER: low-mid 60s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Buckisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

water level meter = SN # 0001
wells gauged: KAFB-106007, KAFB-106011, KAFB-106012R, KAFB-106013, KAFB-106016, KAFB-106020, KAFB-106027, KAFB-106044, KAFB-106045, KAFB-106060, KAFB-106061, KAFB-106065, KAFB-106066, KAFB-106073, KAFB-106074, KAFB-106075, KAFB-106077, KAFB-106078, KAFB-106081, KAFB-106097, KAFB-106098, KAFB-106236-436, KAFB-106236-472, KAFB-106236-499, ~~KAFB-106241~~

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0735	Left trailer to KAFB-106073 cluster
0750	Arrived at KAFB-106073 cluster
0820	Left KAFB-106073 cluster to ~~GWTS treatment plant for changeover~~ KAFB-106097 cluster
0830	Arrived at KAFB-106097 cluster

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-15-2020

1238 ~~1330~~	left trailer to KAFB-106012R
1243	Arrived at KAFB-106012R
1254	left KAFB-106012R to KAFB-106081
1257	Arrived at KAFB-106081
1304	left KAFB-106081 to KAFB-106060 cluster
1308	Arrived at KAFB-106060 cluster
1327	left KAFB-106060 cluster to KAFB-106077
—	cluster
1330	Arrived at KAFB-106077 cluster
1353	left KAFB-106077 cluster to KAFB-106007
1356	Arrived at KAFB-106007
1400	left KAFB-106007 to trailer
1410	Arrived at trailer END OF DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-15-2020

0853 ~~0835~~	left KAFB-106097 cluster to trailer
0910	Arrived at GWTS for change over
0911	left GWTS treatment plant to change
—	over valves
0915	Arrived at change over valves
0925 ~~0923~~	left change over valves to GWTS
—	treatment plant
0932	Arrived at GWTS treatment plant
0940	left GWTS treatment plant to KAFB-106236
—	nested wells
0950	Arrived at KAFB-106236 nested wells
1013	left KAFB-106236 nested wells to
—	KAFB-106241
1017	Arrived at KAFB-106241
1022	left KAFB-106241 to KAFB-106065 cluster
1027	Arrived at KAFB-106065 cluster
1046	left KAFB-106065 cluster to Valero Gas
1100	Arrived at Valero for gas
1107	left valero gas station to KAFB-106044
—	cluster
1118	Arrived at KAFB-106044 cluster
1136	left KAFB-106044 cluster to KAFB-106016
1140	Arrived at KAFB-106016 and LUNCH
1210	left KAFB-10616 to KAFB-106011
1215	Arrived at KAFB-106011
1224	left KAFB-106011 to trailer for restroom break
1229	Arrived at trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page ~~2 of 2~~ 3 of 3

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/29/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 - Sampling DATE: 04-16-2020

WEATHER: low 70s (°F); clear sky; breezy to windy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☒

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Wells sampled - KAFB-106152, KAFB-106155, KAFB-106157, KAFB-106151, KAFB-106006, KAFB-106159, KAFB-106149, KAFB-106153

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0750	Left trailer to KAFB-106152
0755	Arrived at KAFB-106152
0810	Sampled KAFB-106152
0835	Left KAFB-106152 to KAFB-106155
0843	Arrived at KAFB-106155

Reviewed by: Amanda Smith DQCR Page 1 of 2 3 AS Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued)	DATE: 04-16-2020
0900	sampled KAFB-106S5
0913	left KAFB-106S5 to KAFB-106S7
0916	Arrived at KAFB-106S7
0925	sampled KAFB-106S7
1000	left KAFB-106S7 to KAFB-106151
1015	Arrived At KAFB-106151
1030	sampled KAFB-106151
1052	left KAFB-106151 to KAFB-106008
1055	Arrived at KAFB-106008
1110	sampled KAFB-106008
1150	left KAFB-106008 to KAFB-106S9
1155	Arrived at KAFB-106S9 and Lunch
1220	sampled KAFB-106S9
1245	left KAFB-106S9 to KAFB-106149
1250	Arrived at KAFB-106149
1300	sampled KAFB-106149
1335	left KAFB-106149 to KAFB-106153
1340	Arrived at KAFB-106153
1355	sampled KAFB-106153
1420	left KAFB-106153 to KAFB-106152
—	to begin gauging remaining wells
1425	Arrived at KAFB-106152
1435	left KAFB-106152 to trailer
1440	Arrived at trailer
1450	left trailer to KAFB-106S5
1505	Arrived at KAFB-106S5
1514	left KAFB-106S5 to KAFB-106S7

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name: Gabriel Jon Begaye

Signature:

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-16-2020

1517	Arrived at KAFB-106S7
1530	left KAFB-106S7 to KAFB-106151
1540	Arrived at KAFB-106151
1548	left KAFB-106151 to KAFB-106008.
1550	Arrived at KAFB-106008
1600	left KAFB-106008 to KAFB-106S9
1605	Arrived at KAFB-106S9
1615	left KAFB-106S9 to KAFB-106149
1618	Arrived at KAFB-106149
1630	left KAFB-106149 to trailer
1635	Arrived at trailer
1653	left trailer to 90 day HAZ yard
1658	Arrived at 90 day HAZ yard
1721	left 90 day HAZ yard to KAFB-106153
1725	Arrived at KAFB-106153
1734	left KAFB-106153 to trailer
1738	Arrived at ~~KAFB-106~~ trailer. END of
—	DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page ~~2 of 2~~ 3 of 3

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 DATE: 4-20-2020

WEATHER: Overcast, breezy wit a high in the low 70's

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
Dylan Schmeelk	Geologist

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☒	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☒	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the public and governmental employees, and problems encountered and remedies applied)

	Equipment: Geotech0001 Interface probe YSI rental unit #6200
1035	Sampled KAFB-106075
1246	Sampled KAFB-~~106075~~ X 106068

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0855	Leave field trailer for KAFB-106075
0916	Arrive at KAFB-106075
1035	Sampled KAFB-106075
1127 ~~1027~~	Leave KAFB-106075 for KAFB-106068 X
1137	Arrive at KAFB-106068 X

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-20-2020

1246	Sampled @ KAFB-106068 AS
1327	Leave KAFB-106068 for field trailer
1331	Arrive at field trailer.

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Dylan Schwelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

Reviewed by: Amanda Smith

DQCR Page 2 of 2

Initials: AS

Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2

DATE: 4-21-2020

WEATHER: Mostly sunny, wind SSE 12-18mph, high of 72°F

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Dylan Schmeelk	Geologist

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001 18C104594	☒	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☒	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☒	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☒	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

1020	Sampled KAFB-106067.

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0802	Leave field trailer for KAFB-106078
0814	Arrive at KAFB-106078 (pump seized).
0855	leave KAFB-106078 for KAFB-106067
0912	Arrive at KAFB-106067
1020	Sampled KAFB-106067

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-21-2020

1125	leave KAFB-106067 for ACE Hardware
1143	Arrive at ACE Hardware.
1205	Leave ACE Hardware for KAFB-106018
1230	Arrive at KAFB-106018
1415	Leave KAFB-106018 for field trailer
1437	Arrive at field trailer – Shipped samples

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

D. Schmeelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 DATE: 4-22-2020

WEATHER: Partly Cloudy, mid 70's, breezy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Brockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Dylan Schmeelk	Geologist

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001 18C104594	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☑	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☑	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☑	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0938	Sampled KAFB-106065
1210	Sampled KAFB-106066
1410	Sampled KAFB-106046

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0749	Leave KAFB field trailer for KAFB-106065 cluster
0800	Arrive at KAFB-106065 cluster
1301	Leave KAFB-106065 cluster for KAFB-106046
1310	Arrive at KAFB-106046
1410	Sampled KAFB-106046

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued)	DATE: 4-22-2020
1441	leave KAFB-106046 for field trailer
1445	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

D. Schweelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2

DATE: 4-23-2020

WEATHER: Partly Sunny, 75°F, wind WNW @ 13-30 mph

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
Dylan Schmeelk	Geologist
Pete Ferrari	Tech IV

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001 18C104594	☑	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☑	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☑	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053 Geotech 0001	☑	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the public and governmental employees, and problems encountered and remedies applied)

0905	Sampled KAFB-106080
1115	Sampled ER202-02
1407	Sampled KAFB-106019 AS

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0740	Leave field trailer for KAFB-106080
0746	Arrive at KAFB-106080
0938	Leave KAFB-106080 for field trailer
0944	Arrive at field trailer
1115	Sampled ER202-02

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-23-2020

1152	Leave field trailer for KAFB-106019
1208	Arrive at KAFB-106019
1407	Collect Sample KAFB-106019
1530	Leave KAFB-106019 for field trailer
1536	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

D. Schweelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Samplers - Team #2 DATE: 4-24-2020

WEATHER: Mid 70s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safety Office
D. Schmeelk	EA - Team #2
G. Begaye	EA - Team #2

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001 15K104594	☑	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☑	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☑	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053 Geotech 0001	☑	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

0908	Sampled KAFB-106006
1111	Sampled KAFB-106014
1321	Sampled KAFB-106010

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0745	leave field trailer for KAFB-106006
0755	Arrive at KAFB-106006
0956	Leave KAFB-106006 for field trailer
0959	Arrive at ~~KAFB-106006~~ @ field trailer
1000	leave field trailer for KAFB-106014

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-24-2020

1004	Arrive at KAFB-106014
1201	Leave KAFB-106014 for KAFB-106010
1212	Arrive at KAFB-106010
1421	Leave KAFB-106010 for field trailer.
1434	Arrive at field trailer

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Dylan Schweelk
Name)

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2

WEATHER: Partly sunny; high of 84°F — light breeze

DATE: 04-27-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Besenge	TECH III > Team #2

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Wells sampled: ~~KAFB-106020~~ JM

Water level meter Geotech SN: 0001

YSI Professional plus SN: 18L100378

PID: WH0005

Wells bailed for NAPL: KAFB-106076, KAFB-106059

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0815	Left trailer to KAFB-106020
0823	Arrived at KAFB-106020
0825	Left KAFB-106020 to trailer due to well not
—	barricaded
0830	Arrived at trailer for daily equipment

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-27-2020

0850	left ~~KAFB-106~~ trailer to KAFB-106076
0855	Arrive at KAFB-106076
—	Depth to NAPL: 467.25 ; 467.24
—	DTW: ~~476.26~~ @ 467.26 ; 467.25
1030	left KAFB-106076 to KAFB-106059
1033	Arrived at KAFB-106059
—	Depth to NAPL: 469.87
—	Depth to water: 470.04
1101	re-measured and deployed bailer for NAPL for 1 hr
1207	Depth to NAPL = 469.87
—	Depth to water = 469.99
1223	left KAFB-106059 to trailer
1228	Arrived at trailer
1249	left trailer to 90 haz yard
1255	Arrived at 90 day haz yard
1319	left 90 day yard to trailer
1325	Arrived at trailer END of DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 DATE: 04-28-2020

WEATHER: Sunny – high of 84°F – breezy to windy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bocklish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH III > Team #2

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☒	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the public and governmental employees, and problems encountered and remedies applied)

0755 Water level meter = SN# 0001
YSI Professional Plus SN# 18L100378
HACH 2100Q 15100C044633 WH0009
Wells sampled: KAFB-106020, KAFB-106076
PID – WH0004
note: well KAFB-106076 pump failed and compressor failed and Alkalinity volume collected was at ~150 ml.

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0753	left trailer to KAFB-106020
0815	Arrived at KAFB-106020
1027	Sampled KAFB-106020
1135	left KAFB-106020 to KAFB-106076
1144	Arrived at KAFB-106076 + lunch

DQCR Page 1 of 2

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-28-2020

1407	sampled KAFB-106076
1600	left KAFB-106076 to trailer
1610	Arrived at trailer END OF DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team # 2

DATE: 04-29-2020

WEATHER: Sunny – high of 80°F - Windy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Boutrish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044533 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

O&M wells: KAFB-10652, KAFB-10653, KAFB-10658, KAFB-3411, KAFB-106001, KAFB-106006, KAFB-106007, KAFB-106008, KAFB-106011, KAFB-106014, KAFB-106016, KAFB-106027, KAFB-106044, KAFB-106045, KAFB-106059, KAFB-106062, KAFB-106063, KAFB-106064, KAFB-106079, KAFB-106081, KAFB-106201, KAFB-106202, KAFB-106203, KAFB-106210, KAFB-106245, KAFB-106247,

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0822	left trailer to United rentals
0844	Arrived at United rentals
0910	Left United Rentals to ACE hardware
0925	Arrived at ACE Hardware
0935	left ACE Hardware back to trailer

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-29-2020

0950	Arrived at trailer
1005	left trailer to gas station to purchase
—	bags of ICE for shipping samples
1012	Arrived at gas station for ICE
1018	left gas station w/ICE to trailer
1024	Arrived at trailer to drop off ICE
1038	left trailer to KAFB-106203 cluster
1050	Arrived at KAFB-106203 cluster
1110	left KAFB-106203 cluster to Valero for gas
—	off base
1123	Arrived at valero for gas
1127	left Valero to KAFB-106044 cluster
1135	Arrived at KAFB-106044 cluster
1149	left KAFB-106044 cluster to KAFB-106016
1151	Arrived at KAFB-106016
1154	left KAFB-106016 to KAFB-~~106~~ 3411
1155	Arrived at KAFB-~~106~~ 3411
1159	left KAFB-~~106~~ 3411 to KAFB-106059
1202	Arrived at KAFB-106059
1210	left KAFB-106059 to KAFB-106247
1214	Arrived at KAFB-106247
1218	left KAFB-106247 to KAFB-106007
1220	Arrived at KAFB-106007
1224	left KAFB-106007 to KAFB-10658
1226	Arrived at KAFB-10658
1228	left KAFB-10658 to KAFB-106006
1229	Arrived at KAFB-106006

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-29-2020

1238	left KAFB-106006 to KAFB-106001
1241	Arrived at KAFB-106001
1246	left KAFB-106001 to KAFB-106008
1249	Arrived at KAFB-106008
1253	left KAFB-106008 to KAFB-10652
1254	Arrived at KAFB-10652
1259	left to KAFB-106062 cluster from KAFB-10652
1305	Arrived at KAFB-106062 cluster
1316	left KAFB-106062 cluster to KAFB-106245
1327	Arrived at KAFB-106245
1333	left KAFB-106245 to KAFB-106011
1343	Arrived at KAFB-106011
1346	left KAFB-106011 to KAFB-106014
1349	Arrived at KAFB-106814
1352	left KAFB-106014 to KAFB-10653
1353	Arrived at KAFB-10653
1356	left KAFB-10653 to KAFB-106081
1400	Arrived at KAFB-106081
1402	left KAFB-106081 to KAFB-106079
1403	Arrived at KAFB-106079
1406	left KAFB-106079 to KAFB-106210
1410	Arrived at KAFB-106210
1416	left KAFB-106210 to trailer
1422	Arrived at trailer END of DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page ~~2 of 2~~ 3 of 3

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2

WEATHER: Sunny, high of 85°F

DATE: 04-30-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bodrish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101396 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☒	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

O&M wells = KAFB-106080, KAFB-1065S4, KAFB-106005, KAFB-106012R, KAFB-106009, KAFB-106002, KAFB-106101, KAFB-106102, KAFB-106003, KAFB-106015, KAFB-106004, KAFB-106013, KAFB-106084, KAFB-106018, KAFB-106017, KAFB-106211, KAFB-106019, KAFB-106038, KAFB-106039, KAFB-106040, KAFB-106047, KAFB-106048, KAFB-106132, KAFB-106045

* KAFB-106046 & KAFB-106047 & KAFB-106048 needed glue

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0905	left trailer to KAFB-106080
0911	Arrived at KAFB-106080
0935	left KAFB-106080 to KAFB-1065S4
0937	Arrived at KAFB-1065S4
0955	left KAFB-1065S4 to KAFB-106005

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-30-2020

0956	Arrived at KAFB-106005
0959	Left KAFB-106005 to KAFB-106009
1000	Arrived at KAFB-106009
1008	Left KAFB-106009 to KAFB-106012R
1010	Arrived at KAFB-106012R
1015	Left KAFB-106012R to KAFB-106002
1016	Arrived at KAFB-106002
1018	Left KAFB-106002 to KAFB-106101 cluster
1023	Arrived at KAFB-106101 cluster
1048	Left KAFB-106101 cluster to KAFB-106015
1100	Arrived at KAFB-106015
1104	Left KAFB-106015 to KAFB-106004
1112	Arrived at KAFB-106004
1116	Left KAFB-106004 to KAFB-106013
1120	Arrived at KAFB-106013
1125	Left KAFB-106013 to KAFB-106084
1129	Arrived at KAFB-106084
1133	Left KAFB-106084 to KAFB-106018
1134	Arrived at KAFB-106018
1139	Left KAFB-106018 to KAFB-106017
1144	Arrived at KAFB-106017
1147	Left KAFB-106017 to KAFB-106211
1148	Arrived at KAFB-106211
1152	Left KAFB-106211 to KAFB-106019
1154	Arrived at KAFB-106019
1158	Left KAFB-106019 to KAFB-106038 cluster
1200	Arrived at KAFB-106038 cluster + lunch

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 04-30-2020

1240	left KAFB-106038 cluster to trailer
1247	Arrived at trailer to prep TB samples for shipping GDR
1352	left trailer to KAFB-106048 cluster
1358	Arrived at KAFB-106048 cluster
1456	left KAFB-106048 cluster to trailer
1500	Arrived at trailer END OF DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2 DATE: 5-1-2020

WEATHER: Sunny; clear sky – high of 89°F; breezy.

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bochish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☒	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

KAFB O&M wells: KAFB-106156, KAFB-106151, KAFB-106159, KAFB-106097, KAFB-106098, KAFB-106240, KAFB-106246, KAFB-106066, KAFB-106065, KAFB-106028, KAFB-106057, KAFB-106060, KAFB-106061, KAFB-106024, KAFB-106148, KAFB-106154, KAFB-106153, KAFB-106155, KAFB-106149, KAFB-106150, KAFB-106076, KAFB-106077, KAFB-106078, KAFB-106151

Wells maintenanced:

KAFB-106065, KAFB-106060, KAFB-106153, KAFB-106078

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0808	Left trailer to KAFB-106156
0815	Arrived at KAFB-106156
0826	Left KAFB-106156 to KAFB-106151
0832	Arrived at KAFB-106151
0844	Left KAFB-106151 to KAFB-106159

Reviewed by: J. Messenger Initials: JM DQCR Page 1 of 2 JM 3 Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 05-1-2020

0847	Arrived at KAFB-106059
0855	left KAFB-106059 to Valero gas Station
0902	Arrived at ~~KAFB-106~~ Valero gas Station
0904	left Valero gas Station to KAFB-106098 cluster
0911	Arrived at KAFB-106098 cluster
0929	left KAFB-106098 cluster to KAFB-106240
0931	Arrived at KAFB-106240 cluster
0945	left KAFB-106240 cluster to KAFB-106065
0953	Arrived at KAFB-106065 cluster
1050	left KAFB-106065 cluster to KAFB-106060
1109	Arrived at KAFB-106060 cluster & lunch
1150	left KAFB-106060 cluster to KAFB-106024
1153	Arrived at KAFB-106024
1207	left KAFB-106024 to KAFB-106148
1209	Arrived at KAFB-106148
1220	left KAFB-106148 to KAFB-106154
1224	Arrived at KAFB-106154
1230	left KAFB-106154 to KAFB-106153
1232	Arrived at KAFB-106153
1245	left KAFB-106153 to KAFB-106155
1246	Arrived At KAFB-106155
1256	Left KAFB-106155 to KAFB-106149
1257	Arrived at KAFB-106149
1306	left KAFB-106149 to KAFB-106150
1310	Arrived at KAFB-106150
1317	left KAFB-106150 to KAFB-106076 cluster
1318	Arrived at KAFB-106076 cluster

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 05-01-2020

1358	left KAFB-106076 cluster to trailer
1402	Arrived at trailer END of DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name: Salvador Begaye

Signature:

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2

DATE: 05-05-2020

WEATHER: High 70s (°F) – Mostly sonny + Breezy.

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bachish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH III

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☒	MiniRAE 3000 592-915879 Wh0006 ☐
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the public and governmental employees, and problems encountered and remedies applied)

KAFB-106085 KAFB-106086 KAFB-106087

* O+M wells: KAFB-106207, KAFB-106208, KAFB-106209, KAFB-106204, KAFB-106205, KAFB-106206, KAFB-106095, KAFB-106222, KAFB-106223, KAFB-106224, KAFB-106096, KAFB-106218, KAFB-106217, KAFB-106216, KAFB-106097, KAFB-106032, KAFB-106033, KAFB-106034, KAFB-106055, KAFB-106067, KAFB-106068, KAFB-106069, KAFB-106070

* Wells Maintenanced: KAFB-106055, KAFB-106068, KAFB-106217, KAFB-106216, KAFB-106033, KAFB-106034 (GB), KAFB-106207, KAFB-106205, KAFB-106223, KAFB-106218

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0750	left trailer to KAFB-106207 cluster
0758	Arrived at KAFB-106207 cluster
0833	left KAFB-106207 cluster to KAFB-106204
0842	Arrived at KAFB-106204 cluster
0910	left KAFB-106204 cluster to KAFB-106222 cluster

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 05-05-2020

0915	Arrived at KAFB-106222 cluster
0950	left KAFB-106222 cluster to KAFB-106216
0954	Arrived at KAFB-106216 cluster
1045	left KAFB-106216 cluster to Mcdonalds lunch
1051	Arrived at Mcdonalds lunch
1056	left Mcdonalds lunch to KAFB-106032
—	cluster for lunch
1104	Arrived at KAFB-106032 cluster & lunch
1150	left KAFB-106032 cluster to KAFB-106067
1156	Arrived at KAFB-106067 cluster
1225	left KAFB-106067 cluster to KAFB-106010
1227	Arrived at KAFB-106010 cluster
1258	Left KAFB-106010 cluster to KAFB-106096
1300	Arrived at KAFB-106096 cluster
1325	left KAFB-106096 cluster to KAFB-106082
1330	Arrived at KAFB-106082
1338	left KAFB-106082 to KAFB-106085 cluster
1343	Arrived at KAFB-106085 cluster
1358	Left KAFB-106085 cluster to trailer
1407	Arrived at trailer END of DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name: Gabriston Begaye Signature:

EA Engineering, Science and Technology Inc., PBC

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Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2

WEATHER: mid 80s (°F) – clear sky

DATE: 05-06-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bochtsh	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH II

2. OPERATING EQUIPMENT

Team #1	Team #2	Spare
YSI Professional Plus 15K101398 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☒	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045034 Wh0008 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Hach 2100Q 15100C045025 Wh0007 ☐
Solinst Water Level Meter 253054 ☐	Solinst Water Level Meter 253053 ☐	Solinst Water Level Meter 253056 ☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

wells O&M: KAFB-106071, KAFB-106070, KAFB-106072, KAFB-106088, KAFB-106089, KAFB-106090, KAFB-106243, KAFB-106152, KAFB-106103, KAFB-106104, KAFB-106023, KAFB-106022, KAFB-106035, KAFB-106036, KAFB-106037, KAFB-106212, KAFB-106213, KAFB-106214, KAFB-106215, KAFB-106244, KAFB-106099, KAFB-106100, KAFB-106091, KAFB-106092, KAFB-106093, KAFB-106229, KAFB-106025, KAFB-106049, KAFB-106050, KAFB-106051, KAFB-106235 / wells maintenanced: KAFB-106051, KAFB-106088, KAFB-106090, KAFB-106104

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0745	left field trailer to KAFB-106070 cluster
0758	Arrived at KAFB-106070 cluster
0822	left KAFB-106070 cluster to KAFB-106088 cluster
0826	Arrived at KAFB-106088 cluster
0915	left KAFB-106088 cluster to KAFB-106152

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

DQCR Page 1 of 2

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 05-06-2020

0929	Arrived at KAFB-106152
0940	Left KAFB-106152 to KAFB-106088 cluster
0950	Arrived at KAFB-106088 cluster
0958	Left KAFB-106088 cluster to KAFB-106103 cluster
1002	Arrived at KAFB-106103 cluster
1030	Left KAFB-106103 cluster to KAFB-106022
1035	Arrived at ~~KAFB-106022~~ KAFB-106022
1041	Left KAFB-106022 to Mcdonalds restroom
1048	Arrived at Mcdonalds restroom
1054	Left Mcdonalds to KAFB-106035 cluster
1100	Arrived at KAFB-106035 cluster & lunch
1145	Left KAFB-106035 cluster to KAFB-106213
1148	Arrived at KAFB-106213 cluster
1210	Left KAFB-106213 cluster to KAFB-106244
1215	Arrived at KAFB-106244
1223	Left KAFB-106244 to KAFB-106099 cluster
1227	Arrived at KAFB-106099 cluster
1238	Left KAFB-106099 cluster to KAFB-106091 cluster
1245	Arrived at KAFB-106091 cluster
1315	Left KAFB-106091 cluster to KAFB-106025
1320	Arrived at KAFB-106025
1328	Left KAFB-106025 to KAFB-106049 cluster
1335	Arrived at KAFB-106049 cluster
1406	Left to KAFB-106235 from KAFB-106049 cluster
1410	Arrived at KAFB-106235 nested wells
1420	Left KAFB-106235 nested wells to trailer
1435	Arrived at trailer END OF DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-7-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62589DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #2

WEATHER: 89°F, windy, clear skies

DATE: 05-07-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bachrach	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safety Office
Galveston Begaye	TECH II

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0009	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0008	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

O&M wells: ~~106020~~, KAFB-106020, KAFB-106073, KAFB-106074, KAFB-106075, KAFB-106083, KAFB-106236, KAFB-106026, KAFB-106230, KAFB-106225, ~~KAFB-226~~, KAFB-106226, KAFB-106227, KAFB-106219, KAFB-106220, KAFB-106221, KAFB-106052, KAFB-106053, KAFB-106054, KAFB-106105, KAFB-106106, KAFB-106107, KAFB-106041, KAFB-106042, KAFB-106043, KAFB-106055, KAFB-106057, KAFB-106058, KAFB-106241

wells maintenance: KAFB-106054, KAFB-106105, KAFB-106106, KAFB-106221, KAFB-106227

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0730	test trailer to KAFB-106073 cluster
0740	Arrived at KAFB-106073 cluster
0800	Left KAFB-106073 cluster to KAFB-106083
0815	Arrived at KAFB-106083
0823	Left KAFB-106083 to KAFB-106236 nested wells

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-15-2020

DQCR Page 1 of 2

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report -- Non-Construction

4. WORK PERFORMED (Continued) DATE: 05-07-2020

0850	Arrived at KAFB-106236 nested wells
0925	Left KAFB-106236 nested wells to KAFB-106026
0930	Arrived at KAFB-106026
0935	Left KAFB-106026 to KAFB-106230
0936	Arrived at KAFB-106230
0940	Left KAFB-106230 to KAFB-106225 cluster
0945	Arrived at KAFB-106225 cluster
1010	Left KAFB-106225 cluster to KAFB-106219 cluster
1017	Arrived at KAFB-106219 cluster
1038	Left KAFB-106219 cluster to KAFB-106052
1045	Arrived at KAFB-106052 cluster
1120	Left KAFB-106052 cluster to lunch McDonalds
1125	Arrived at lunch McDonalds
1131	Left McDonalds to KAFB-106105 cluster
1138	Arrived at KAFB-106105 cluster & lunch
1245	Left KAFB-106105 cluster to KAFB-106041 cluster
1255	Arrived at KAFB-106041 cluster
1315	Left KAFB-106041 cluster to KAFB-106055 cluster
1320	Arrived at KAFB-106055 cluster
1400	Left KAFB-106055 cluster to Valero gas
1412	Arrived at valero gas
1417	Left valero gas to trailer
1425	Arrived at trailer END OF DAY

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Galveston Begaye — Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: J. Messenger Initials: JM Reviewed date: 5-15-2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #3 - gauging

WEATHER: mid 50s (°F), clear sky

DATE: 4-14-2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeck	EA - Team #3

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☐	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office - H&S briefing
- Gauged 28 wells (AECOM + USGS)
- Geotech WL meter (SN 5124 5125) calibration as follows
  - KAFB-106027 DTW = 469.78
  - KAFB-106044 DTW = 469.94
  - KAFB-106045 DTW = 469.63

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0734	Left field office - 0743 Arrived @ TR-1A waiting for USGS to meet us
0802	USGS @ TR-1A w/EA for access - 0859 left USGS after tagging
—	their three wells - 0914 Arrived @ KAFB-0510 to gauge
0925	arrived @ KAFB-3392 to gauge - 0940 Arrived @ KAFB-8281 to gauge
0958	Arrived @ KAFB-8351 to gauge - 1025 Arrived @ KAFB-0417 to gauge

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

DQCR Page 1 of 2

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-14-2020

1039	Arrived @ KAFB -0120 to gauge - 1048 Arrived @ KAFB - 0118 to gauge
1100	Arrived @ KAFB - 0121 to gauge - 1113 Arrived @ KAFB - 0520 to gauge
1124	Arrived @ KAFB - 0522 to gauge - 1145 Arrived @ KAFB - 0514 to gauge
1155	Arrived @ KAFB - 0517 to gauge - 1219 Arrived @ KAFB - 0719 to gauge
1235	Arrived @ KAFB - 0525 to gauge - 1245 Arrived @ KAFB - 0222 to gauge
1300	Arrived @ KAFB - 0518 to gauge - 1319 Arrived @ KAFB - 0524 to gauge
1329	Arrived @ KAFB - 0508 to gauge - 1344 Arrived @ KAFB - 2629 to gauge.
	~~Arrived @ KAFB - to gauge Arrived @ KAFB - to gauge~~ JM
1410	Arrived @ TR-1A to meet w/USGS
1457	Left USGS - ~~1462~~ 1509 JM Arrived @ KAFB - 2628 to gauge
1518	Arrived @ KAFB - 0505 to gauge - 1527 Arrived @ KAFB - 0507RK to gauge
1540	Arrived @ KAFB - 0504 to gauge - 1556 Arrived @ KAFB - 0512R to gauge
1622	Arrived @ KAFB - 0213 to gauge - 1640 Arrived @ KAFB - 8281 to gauge
1658	Arrived @ KAFB - 106044 cluster for WLM calibration - 1718 JS left KAFB - 106044 cluster
1721	Arrived @ ~~KAFB~~ JM field office - EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

DQCR Page 2 of 2

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring – 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: Team #3 - gauging DATE: 4-15-2020

WEATHER: low-mid 60s (°F); clear sky

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Bochisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safety Office
J. Messenger / D. Schmeltz	Ext - Team #3

2. OPERATING EQUIPMENT

Team #1		Team #2		Spare	
YSI Professional Plus 15K101398 Wh0003	☐	YSI Professional Plus 15K101396 Wh0001	☐	YSI Professional Plus 15L100541 Wh0002	☐
MiniRAE 3000 592-915778 Wh0005	☒	MiniRAE 3000 592-915790 Wh0004	☐	MiniRAE 3000 592-915579 Wh0006	☐
Hach 2100Q 15100C045034 Wh0008	☐	Hach 2100Q 15100C044633 Wh0009	☐	Hach 2100Q 15100C045025 Wh0007	☐
Solinst Water Level Meter 253054	☐	Solinst Water Level Meter 253053	☐	Solinst Water Level Meter 253056	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Met @ field office - H&S briefing
- Gauged water levels in 32 wells

4. WORK PERFORMED (indicate location, time, and description of work performed by prime and/or subcontractors)

0728 left field office - 0735 Arrived @ KAFB-106235 next to gauge
0801 left KAFB-106235 - 0803 Arrived @ KAFB-106225 cluster to gauge
0839 Left KAFB-106225 cluster - 0840 Arrived @ KAFB-106222 cluster to gauge
0907 Left KAFB-106222 cluster - 0908 Arrived @ KAFB-106230 cluster to gauge
0927 Left KAFB-106230 cluster - 0930 Arrived @ KAFB-106229 to gauge

DQCR Page 1 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

Kirtland AFB Bulk Fuels Facility GWTS Expansion/Monitoring -- 62599DM01
Daily Quality Control Report – Non-Construction

4. WORK PERFORMED (Continued) DATE: 4-15-2020

0937	left KAFB-106229 – 0940 Arrived @ KAFB-106240 to gauge
0949	left KAFB-106240 — Arrived @ ~~KAFB-106 3411~~ to gauge KAFB — JM
	~~left KAFB-3411 JM Arrived @ KAFB-10654 to gauge~~ — JM
0953	Arrived @ KAFB-10655 + KAFB-106010 to gauge – 1004 left KAFB-10655
1005	Arrived @ KAFB-106028 to gauge – 1014 left KAFB-106028
1030	Arrived @ KAFB-3411 + KAFB-106156 to gauge – 1047 left KAFB-3411
1103	Arrived @ KAFB-106079 – 1112 left KAFB-106079
1113	Arrived @ KAFB-10653 – 1121 left KAFB-10653
1122	Arrived @ KAFB-10654 – 1134 left KAFB-10654
1135	Arrived @ KAFB-106080 – 1144 left KAFB-106080
1145	Arrived @ KAFB-106014 – 1155 left KAFB-106014
1157	Arrived @ KAFB-10659 cluster – 1224 left KAFB-10659 cluster
1226	Arrived @ KAFB-10652 – 1235 left KAFB-10652
1237	Arrived @ KAFB-10651 cluster – 1256 left KAFB-10651 cluster
1257	Arrived @ KAFB-10658 group – 1316 left KAFB-10658 group
1318	Arrived @ KAFB-106155 – 1331 left KAFB-106155
1336	Arrived @ KAFB-106148 – 1348 left KAFB-106148
1356	Arrived @ KAFB-106154 – 1405 left KAFB-106154
1405	Arrived @ KAFB-106150 – 1427 left KAFB-106150
1430	Arrived @ field office — EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith Initials: AS Reviewed date: 4/27/2020

62599DM01

Kirtland AFB Bulk Fuels Facility Vadose Zone Coring -- ~~62735DM02~~ JM
Daily Quality Control Report – Non-Construction

ROLE: Geologist / SSHO DATE: 6-24-2020

WEATHER: low 90s (°F); mostly sunny to partly cloudy WELL ID: KAFB-106028 + KAFB-106005

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
J. Messenger	EA - Site Health and Safetly Officer / Geologist
Fidel Verdugco / Kenny Mahon	Cascade

2. OPERATING EQUIPMENT
PID SN: 592-915778 Cal: 0.0 zero 100.9 gas

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)	
IDW	≈ 22 gal waste in 55-gallon steel drum from KAFB-106028
	≈ 1.25 gal waste in 55-gallon steel drum from KAFB-106005
—	KAFB-106005 had ≈ 4 ft sand enter the well during swabbing — B. Bockisch notified and rehab stopped

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)	
0630	EA (JM) + Cascade @ Truman laydown yard
0650	H&S Briefing
0707	left Truman yard to KAFB-106028
0712	Arrived @ KAFB-106028 — 0715 BZ = 0.0 ppm DTW = 471.05 TD = 514.3

DQCR Page 1 of 2

Reviewed by: _____ Initials: _____ Reviewed date: _____

62599DM01

Kirtland AFB Bulk Fuels Facility Vadose Zone Coring -- ~~62735DM02~~
Daily Quality Control Report – Non-Construction

DATE: 6-24-2020

4. WORK PERFORMED (Continued)	
0735	Cascade preps to swab well – 0748 swabbing began – 0825 Swabbing completed
0828	TD$_{0ZE}$ = 514.02 ft bgs (0.03 ft cave in) – 0832 Cascade preps to brush screen/began
0907	brushing complete – setting up to bail – 0914 TD = 514.02 ft bgs (no change)
0917	bailing began – 0925 1st bail ≈ 1.25 gal; black biofoul – 0932 2nd bail ≈ 1.25 gal; black
0936	3rd bail ≈ 1.5 gal ≈ 2 cups of sand after 3 bails – 0939 4th bail ≈ 1.5 gal; black
0943	5th bail ≈ 1.5 gal; black – PID = 3.5 ppm @ top of bailer; moved downwind – 0946 6th bail ≈ 1.5 gal; black
	about 1/2 cup of sand after 6th bail – 0948 7th bail ≈ 1.5 gal; black – 0952 8th bail ≈ 1.5 gal; black
0954	9th bail ≈ 1.25 gal; black ≈ 1/4 cup of sand after 9 bails – 0957 10th bail ≈ 1.5 gal; black
1000	11th bail ≈ 1.5 gal; black – 1003 12th bail ≈ 1.5 gal; black – 1/8 cup of sand after 12 bails
1005	13th bail ≈ 1.5 gal; black – 1008 14th bail ≈ 1.25 gal; black – 1011 15th bail ≈ 1 gal; black – minimal sediment
	– send bailer down for pre-chlorinate sample – 1015 took pre-chlorinate sample KAFB-106028-WR-1
1017	Cascade ~~set up~~ chlorinate well w/ 15 oz 10% Cl bleach – 1030 site secured/cleaned up
1037	Cascade + EA Lft KAFB-106028 – 1050 EA @ field office – 1100 Cascade @ field office
1107	EA + Cascade Lft field office – 1109 arrived @ KAFB-106005/setup
1120	Cascade on lunch break – 1220 Cascade off lunch break – 1225 noticed DMS
	in KAFB-106005 – removed samplers – 1235 DTW = 468.45 TD = 506.07
	PID = 0.7 in BZ above casing – 1248 began swabbing – 1325 swabbing completed
1334	~~brushing began~~ TD = 502.7 (4ft increase) – 1338 began brushing – 1341 couldn't get brush to
	BOS (4ft decrease in TD) – decide to bail out to get brush to BOS – 1347 began bailing
1350	noticed f-C sand in bailer – per B. Bochisch rehab was stopped, sample
	of sand was containerized for inspection – 1420 well secured/boom down
1440	EA + Cascade off site – EOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: _____ Initials: _____ Reviewed date: _____

625990M01

Kirtland AFB Bulk Fuels Facility Vadose Zone Coring -- ~~62735DM02~~ JM

Daily Quality Control Report – Non-Construction

ROLE: Geologist/SSHO DATE: 6-25-2020

WEATHER: high 90s(°F); partly cloudy WELL ID: KAFB-106005

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
J. Messenger	EA - Site Health and Safetly Officer / Geologist
Fidel Verduzco	> Cascade
Kenny Mahon	

2. OPERATING EQUIPMENT
PID SN: 592-915778 0.0 zero 101.2 span

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)	
IDW	7 gallons from KAFB-106005 added — 8.25 gallons total
—	Able to bail out 4ft of sand from KAFB-106005

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)	
0630	Met @ Truman Laydown Yard — H&S Briefing
0638	Left Truman Yard for KAFB-106005.
0705	Arrived @ KAFB-106005 (EA + Cascade)/Site setup - 0715 PID = 4.3 ppm
0720	Boom up; bailer connected - 0725 TD_{005} = ~~505.02~~ 503.4 ft (gone down ≈ 0.5')

Reviewed by: _____ Initials: _____ Reviewed date: _____

62599DM01

Kirtland AFB Bulk Fuels Facility Vadose Zone Coring -- ~~62735DM02~~ jm
Daily Quality Control Report – Non-Construction

DATE: 6-25-2020

4. WORK PERFORMED (Continued)	
0728	bailer deployed – 0734 1st bail ≈ 1 gallon (filter pack + F-M sand present), going
	to take 2nd bail and then tag TD to see if sand sinks/removed or if
	sand is entering well above 503 ft MRP – 0742 2nd bail ≈ 1 gallons (same contents)
0746	TD005 = 503.6 TOC (has ~~gone~~ down 1/3') – 0750 Dylan S. on site to observe
0758	bail #3 ≈ 1.0 gallons (same material) – 0803 bail #4 ≈ 1.0 gallons (more filter pack material)
0808	TD005 = 504.1 ft ~~MRP~~ TOC (same) – 0815 DTW = 468.55 TOC / driller takes a water break
—	after 4 bails ≈ 0.75 gallons of filter pack + F-M sand removed
0825	drillers off break – switch to suction bailer and deploy
0839	bail #5 ≈ 1.5 gallons ≈ 1 gallon of sands – 0855 bail #6 ≈ 1.5 gallons; bailing
	completed (Cascade needs to move to KAFB-106239) – 0900 TD005 = 506.7 ft TOC
0910	Cascade off KAFB-106005 – 0916 EA+Cascade in route to GWTS
0918	Cascade + EA @ GWTS – 0928 Cascade left GWTS – EA to
	clean up + waste management – SOD

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Name J. Messenger Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: _____ Initials: _____ Reviewed date: _____

Kirtland AFB Bulk Fuels Facility Vadose Zone Coring -- ~~62735DM02~~ 62599DM01
Daily Quality Control Report – Non-Construction

ROLE: SSHO / Geologist DATE: 6-29-2020

WEATHER: low 90s (°F); partly cloudy WELL ID: KAFB-106005 + KAFB-106028

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bochisch	EA - Site Manager/Supervisor
J. Messenger	EA - Site Health and Safetly Office / Geologist
Fidel Verdugco	Cascade
Kenny Mahon	Cascade

2. OPERATING EQUIPMENT

PID SN: 592-915778 — 0.0 zero 102.1 span

Colorimeter: HACH 1216211 Cat. No. 58700-00

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- chlorinated KAFB-106005 to sit for ≈24 hrs; will pump on 6-30-2020
- When entering field to access KAFB-106028 noticed sprinklers on; a set of dual tracks/indents up small hill (access to field); took picture before driving up hill. Noticed City Parks vehicles (1/2 ton + dump truck) on premises. Tracks up hill were made by someone else prior to EA + Cascade arrival
- ≈30 gallons of purged water generated @ KAFB-106028 from rehab

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)

0630	EA @ KAFB-106005 — 0700 Cascade on site / site setup / H&S briefing - PID = 0.7 ppmv
0715	brush deployed - well clear of sand to ≈ ~~506'~~ 507 ft; brushing began
0750	brushing completed - 0755 bailer being setup - 0805 1st bailer ≈ 1 gallon w/ 1 cup of sand
0810	bail #2 ≈ 1.5 gallons w/ 0.5 cup of sand — 0815 TD = 507' TOC — going to run one

Reviewed by: _____ Initials: _____ Reviewed date: _____

Kirtland AFB Bulk Fuels Facility Vadose Zone Coring -- ~~62735DM02~~ 62599DM01
Daily Quality Control Report – Non-Construction

DATE: 6-29-2020

4. WORK PERFORMED (Continued)	
	more Bail for pre-chlorinate sample and then add 10% chlorine (~150z)
0825	to sample KAFB-106005-WR-1pre; minimal sand from bail
0842	left KAFB-106005-EA to KAFB-106028 Cascade to refuel + head to KAFB-106028
0915	Cascade @ KAFB-~~106028~~; site setup – 1000 Kenny M. off site to grab correct wire roll for pumping – 1010 Kenny M. on site – PID = 0.0
1025	began tripping in pump – 1135 Pump set @ ~509' – 1145 pumping began
1151	0.19 mg/L Cl_2 – 1154 0.22 mg/L Cl_2 – 1155 0.14 mg/L Cl_2
1157	0.08 mg/L Cl_2 – 1158 0.13 mg/L Cl_2 – 5 consecutive readings < 0.4 mg/L Cl_2
	~~pumping stopped on~~ – 1205 took sample KAFB-106028-WR-1post / began tripping out pump – 1256 pump tripped out
1305	Site cleaned / well secured – 1308 EA + Cascade off site

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: _____ Initials: _____ Reviewed date: _____

625990M01

Kirtland AFB Bulk Fuels Facility Vadose Zone Coring ~~62735DM02~~ JM
Daily Quality Control Report – Non-Construction

ROLE: SSHO / Geologist
DATE: 6-30-20
WEATHER: low 90s (°F); partly cloudy
WELL ID: KAFB-106005

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
J. Messenger	EA - Site Health and Safetly Office / Geologist
Fidel Verdugco	> Cascade
Kenny Mahon	

2. OPERATING EQUIPMENT

PID SN:- 592-915778 0.0 zero 102.1 span
Colorimeter Cat. No. 58700-00 (HACH)

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

- Completed rehab @ KAFB-106005
- Generated ≈ 65 gallons of IDW from pumping

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)

0635	EA @ KAFB-106005 – 0650 Cascade on site / setup / HASS briefing – PID = 1.7 in B.Z.
0720	began tripping in pump – 0820 pump tripped in @ ≈ 502'
0829	pumping began – 0831 2.21 mg/L Cl_2 – 0833 same
0836	0.24 mg/L Cl_2 – 0838 0.65 mg/L Cl_2 – 0840 0.20 mg/L Cl_2

DQCR Page 1 of 2

Reviewed by: _____ Initials: _____ Reviewed date: _____

Kirtland AFB Bulk Fuels Facility Vadose Zone Coring -- ~~62735DM02~~ 62599DM01 jm
Daily Quality Control Report – Non-Construction

DATE: 6-30-20

4. WORK PERFORMED (Continued)	
0842	0.17 mg/L Cl_2 — 0844 0.08 mg/L Cl_2
0846	0.26 mg/L Cl_2 — 0850 Sample taken after 4 consecutive
	readings below 0.4 mg/L Cl_2 — 0945 pump tripped out
0950	Boom down; well secured — 1000 Cascade + EA off site.

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

J. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: _____ Initials: _____ Reviewed date: _____

USGS / Sandia / AECOM

Well Gauging Form: NON-BFF PERFORMANCE MONITORING WELLS 2020

Project: Kirtland AFB BFF ST-106/SS-111 Quarter : 2

Well ID	Previous DTW 2019 Q4 (ft MRP)		DTW (ft MRP)	Depth to NAPL (ft MRP)	Date	PID (ppm)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-0118	-	445.2	442.68	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0120	-	414.18	411.94	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0121	-	432.18	429.63	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0213	-	408.66	406.39	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0219	-	NA	388.06	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0222	-	NA	368.50	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0309	-	474.72	DO NOT GAUGE							TOPC
KAFB-0417	-	NA	440.92	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0504	-	NA	479.96	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0505	-	489.2	486.29	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0507R	-	NA	481.25	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0508	-	478.76	476.31	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0510	-	495.05	491.82	—	4-14-2020	0.0	GT 5124	JM/DS		TOPC
KAFB-0512R	-	NA	425.67	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0514	-	NA	331.60	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0516	-	NA		DO NOT GAUGE						TOPC
KAFB-0517	-	322.21	320.07	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0518	-	302.48	300.35	—	4-14-2020	0.0	5124	JM/DS		TOPC

Well Gauging Form: NON-BFF PERFORMANCE MONITORING WELLS 2020

Project: Kirtland AFB BFF ST-106/SS-111 Quarter : 2

Well ID	Previous DTW 2019 Q4 (ft MRP)		DTW (ft MRP)	Depth to NAPL (ft MRP)	Date	PID (ppm)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-0520	-	375.21	372.70	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0522	392.98	395.57	392.98	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0523	-	475.52	DO NOT GAUGE							TOPC
KAFB-0524	-	470.77	467.98	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-0525	-	NA	353.59	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-2628	-	NA	492.36	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-2629	-	NA	484.74	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-8351	-	446.45	443.32	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-3392	-	521.89	519.22	—	4-14-2020	0.0	5124	JM/DS		TOPC
KAFB-8281	-	NA	524.30	—	4-14-2020	0.0	5124	JM/DS		TOPC
TR-~~1A~~ 1C	-	NA	439.29	—	4-14-2020	0.0	GT-~~7504~~ 5124	JM/DS	USGS	TOC TOPC
CC-~~1F~~ 1D	-	NA	452.70	—	4-14-2020	0.0	5124	JM/DS	USGS	TOC TOPC
SO-~~1F~~ 1D	-	NA	465.91	—	4-14-2020	0.0	5124	JM/DS	USGS	TOC TOPC
TA1-W-02	-	NA	516.87	—	4-14-2020	JM ~~0~~ N/A	N/A	SNL	transducers SNL	TOC TOPC
TA1-W-05	-	NA	553.45	—	4-14-2020	N/A	N/A	SNL	transducer SNL	TOC TOPC
TJA-6	-	NA	450.99	—	4-14-2020	N/A	N/A	SNL	transducer SNL	TOC TOPC

TR-1A 456.12
CC-1F 470.15
SO-1F 482.85

all else the same as above

Well Gauging Form Team 1 | Total Wells 82 | 2020

Project: Kirtland AFB BFF ST-106/SS-111 | Quarter : 2

Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106216	—	456.91	4/14/2020	0.0	—	456.00	WH0012	Jah		TWV
KAFB-106217 219	—	456.81	04/14/2020	0.0	—	462.07	WH0012	Jah	← This is 219	TWV
KAFB-106218	—	456.95	4/14/2020	0.0	—	450.85 459.59	WH0012	JL		TWV
KAFB-106219 217	—	462.77	04/14/2020	0.0	—	455.90	WH0012	Jah	← This is 217	TWV
KAFB-106220	—	462.74	04/14/2020	0.0	—	462.00	WH0012	Jah		TWV
KAFB-106221	—	462.53	04/14/2020	0.0	—	461.80	WH0012	Jah		TWV
KAFB-106222	—	455.74	4-15-2020	0.0	—	453.90	5124	JM/DS		TWV
KAFB-106223	—	456.46	4-15-2020	0.0	— 454.49	454.49	5124	JM/DS		TWV
KAFB-106224	—	457.60	4-15-2020	0.0	—	455.64	5124	JM/DS		TWV
KAFB-106225	—	449.32	4-15 4-14-2020 JM	0.0	—	447.27	5124	JM/DS		TWV
KAFB-106226	—	449.94	4-15-2020	0.0	—	447.88	5124	JM/DS		TWV
KAFB-106227	—	450.69	4-15-2020	0.0	—	448.65	5124	JM/DS		TWV
NOT HAZ KAFB-106229	—	436.71	4-15-2020	0.0	—	435.05	5124	JM/DS		TWV
KAFB-1060230	—	446.76	4-15-2020	0.0	—	445.11	5124	JM/DS		TWV
KAFB-106231	—	449.17	04/14/2020	0.0	—	448.66	WH0012	Jah	**Barricades by SWSS**	TWV
KAFB-106232	—	448.69	04/14/2020	0.0	—	448.22	WH0012	Jah	**Barricades by SWSS**	TWV
KAFB-106235-438	—	438.48	4-15-2020	0.0	—	436.32	5124	JM/DS		TWV
KAFB-106235-472	—	438.44	4-15-2020	0.0	—	436.31	5124	JM/DS		TWV
KAFB-106235-501	—	438.46	4-15-2020	0.0	—	436.55	5124	JM/DS		TWV
KAFB-106026	—		4-15-2020	0.0	—	443.03	5124	JM/DS		

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

Well Gauging Form Team 1

Total Wells 82

Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106015	—	465.04	4/15/2020	0.0	—	464.51	WH0012	GBr		TOPC
KAFB-106021	—	436.96	04/14/2020	0.0	—	436.31	WH0012	JdH	Barricades by SWSS	TWV
KAFB-106022	—	440.79	4/15/2020	0.0	—	440.15	WH0012	GBr		TWV
KAFB-106023	—	451.51	4/15/2020	0.0	—	450.85	WH0012	GBr		TWV
KAFB-106025	—	439.56	4/15/2020	0.0	—	438.86	WH0012	GBr		TWV
KAFB-106026	—	444.66	4/15/2020	0.0	—	443.03	5124	JM/DS		TWV
KAFB-106029	—	433.10	04/14/2020	0.0	—	432.42	WH0012	JdH	Barricades by SWSS	TWV
KAFB-106030	—	433.20	04/14/2020	0.0	—	432.54	WH0012	JdH	Barricades by SWSS	TWV
KAFB-106031	—	433.24	04/14/2020	0.0	—	432.56	WH0012	JdH	Barricades by SWSS	TWV
KAFB-106032	—	439.88	4/15/2020	0.0	—	439.06	WH0012	GBr	Gibson Med. Ctr.	TWV
KAFB-106033	—	440.03	4/15/2020	0.0	—	439.22	WH0012	GBr	Gibson Med. Ctr.	TWV
KAFB-106034	—	440.88	4/15/2020	0.0	—	440.06	WH0012	GBr	Gibson Med. Ctr.	TWV
KAFB-106035	—	444.77	04/14/2020	0.0	—	444.20	WH0012	JdH	Church	TWV
KAFB-106036	—	445.22	04/14/2020	0.0	—	444.65	WH0012	JdH	Church	TWV
KAFB-106037	—	445.87	04/14/2020	0.0	—	445.31	WH0012	JdH	Church	TWV
KAFB-106041	—	446.85	4/15/2020	0.0	—	445.85	WH0012	GBr		TWV
KAFB-106042	—	446.61	4/15/2020	0.0	—	445.60	WH0012	JL		TWV
KAFB-106043	—	446.84	4/15/2020	0.0	—	445.85	WH0012	GBr		TWV
KAFB-106049	—	438.08	4/15/2020	0.0	—	437.36	WH0012	GBr		TWV

	Well Gauging Form Team 2					Total Wells 85				2020
	Project: Kirtland AFB BFF ST-106/SS-111									Quarter : 2
Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106048	—	475.88	04-14-2020	0.0	—	475.08	0001	GB	EA Barricade	TWV
KAFB-106060	—	468.54	04-15-2020	0.0	—	467.62	0001	GB		TWV
KAFB-106061	—	468.52	04-15-2020	0.0	—	467.57	0001	GB		TWV
KAFB-106062	—	474.31	04-14-2020	0.0	—	473.55	0001	GB	APTIM Yard	TOPC
KAFB-106065	—	471.75	04-15-2020	0.0	—	471.12	0001	GB	USS Bullhead	TWV
KAFB-106066	—	471.75	04-15-2020	0.0	—	471.32	0001	GB	USS Bullhead	TWV
KAFB-106067	—	470.60	04-14-2020	0.0	—	470.10	0001	GB		TWV
KAFB-106068	—	470.30	04-14-2020	0.0	—	469.88	0001	GB		TWV
KAFB-106069	—	470.20	04-14-2020	0.0	—	469.70	0001	GB		TWV
KAFB-106073	—	462.68	4-15-2020	0.0	—	461.85	0001	PF	Call VA Police	TWV
KAFB-106074	—	463.40	4-15-2020	0.0	—	462.59	0001	PF	Call VA Police	TWV
KAFB-106075	—	463.40	04-15-2020	0.0	—	462.56	0001	PF	Call VA Police	TWV
KAFB-106077	—	469.08	04-15-2020	0.0	—	468.44	0001	GB		TWV
KAFB-106078	—	468.22	04-15-2020	0.0	—	467.58	0001	GB		TWV
KAFB-106081	—	472.37	04-15-2020	0.0	—	471.74	0001	GB		TOPC
KAFB-106082	—	458.61	4-14-2020	0.0	—	457.78	0001	PF	Call VA Police	TWV
KAFB-106083	—	458.28	4-14-2020	0.0	—	457.43	0001	PF	Call VA Police	TWV
KAFB-106084	—	460.99	4-14-2020	0.0	—	460.23	0001	PF	Call VA Police	TWV
KAFB-106094	—	467.81	4-14-2020	0.0	—	467.33	0001	PF		TWV
KAFB-106095	—	467.36	4-14-2020	0.0	—	466.88	0001	PF		TWV
KAFB-106096	—	468.00	4-14-2020	0.0	—	467.53	0001	PF		TWV
KAFB-106097	—	470.16	04-15-2020	0.0	—	469.68	0001	GB	Call VA Police	TWV
KAFB-106098	—	470.24	04-15-2020	0.0	—	469.76	0001	GB	Call VA Police	

Well Gauging Form Team 1 Wells 82 2020

Project: Kirtland AFB BFF ST-106/SS-111 Quarter : 2

Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106236-436	—	438.15	04/15/2020	0.0	—	437.18	0001	GB		TWV
KAFB-106236-472	—	438.13	04/15/2020	0.0	—	437.16	0001	GB		TWV
KAFB-106236-499	—	438.15	04/15/2020	0.0	—	437.20	0001	GB		TWV
KAFB-106241	—	447.15	4/15/2020	0.0	—	446.42	WH0012	GBr		TWV
KAFB-106242	—	438.88	04/14/2020	0.0	—	438.20	WH0012	JG		TWV
KAFB-106243	—	443.46	04/14/2020	0.0	—	442.84	WH0012	JG		TWV

~~KAFB-106242 04/14/2020 0.0 — 438.20 WH0012 JG~~ 04/14/2020

Well Gauging Form Team 1 — Total Wells 82

Project: Kirtland AFB BFF ST-106/SS-111 — Quarter : 2

Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106050	—	437.50	4/15/2020	0.0	—	436.75	WH00012	GBr		TWV
KAFB-106051	—	437.80	4/15/2020	0.0	—	437.06	WH00012	GBr		TWV
KAFB-106052	—	441.15	4/15/2020	0.0	—	440.41	WH00012	GBr		TWV
KAFB-106053	—	441.06	4/15/2020	0.0	—	440.33	WH00012	GBr		TWV
KAFB-106054	—	440.66	4/15/2020	0.0	—	439.91	WH00012	GBr		TWV
KAFB-106055	—	447.53	4/15/2020	0.0	—	446.87	WH00012	GBr		TWV
KAFB-106057	—	447.89	4/15/2020	0.0	—	447.22	WH00012	GBr		TWV
KAFB-106058	—	448.44	4/15/2020	0.0	—	447.71	WH00012	GBr		TWV
KAFB-106070 *	—	441.44	4-16-2020	0.0	—	440.55	WH02812	JM/DS	Δ=0.89	TWV
KAFB-106071 *	—	443.68	4-16-2020	0.0	—	442.82	WH00812	JM/DS	Δ=0.86	TWV
KAFB-106072 *	—	441.98	4-16-2020	0.0	—	441.13	Geotech 001 ~~WH00012~~	JM/DS	use 0001 reel Δ=0.85	TWV
KAFB-106085	—	439.86	04/14/2020	0.0	—	439.30	WH00012	Jok		TWV
KAFB-106086	—	440.25	04/14/2020	0.0	—	439.66	WH00012	Jok		TWV
KAFB-106087	—	439.42	04/14/2020	0.0	—	438.8	WH00012	Jok		TWV
KAFB-106088	—	447.18	04/14/2020	0.0	—	446.65	WH00012	Jok		TWV
KAFB-106089	—	446.89	04/14/2020	0.0	—	446.33	WH00012	Jok		TWV
KAFB-106090	—	445.68	04/14/2020	0.0	—	445.17	WH00012	Jok		TWV
KAFB-106091	—	436.79	4/15/2020	0.0	—	436.11	WH00012	GBr		TWV
KAFB-106092	—	436.90	4/15/2020	0.0	—	436.25	WH00012	GBr		TWV

* DMS's still deployed

Well Gauging Form Team 2 | Total Wells 85 | 2020

Project: Kirtland AFB BFF ST-106/SS-111 | Quarter : 2

Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106001	—	467.98	4-16-2020	1.4	—	466.81	0001	JM/DS	Δ=1.17	TWV
KAFB-106002	—	464.67	04-14-2020	0.0	—	464.21	0001	GB		TWV
KAFB-106003	—	462.81	04-14-2020	0.0	—	462.22	0001	GB		TWV
KAFB-106004	—	468.41	04-14-2020	0.0	—	467.62	0001	GB	EA Barricade	TOPC
KAFB-106007	—	472.86	04-15-2020	0.0	—	471.88	0001	GB		TOPC
KAFB-106009	—	471.24	4-16-2020	0.0	—	470.39	0001	JM/DS	Δ=0.85	TWV
KAFB-106011	—	476.05	04-15-2020	0.0	—	475.39	0001	GB		TOPC
KAFB-106012R	—	467.83	04-15-2020	0.0	—	467.20	0001	GB		TOPC
KAFB-106013	—	473.23	04-15-2020	0.0	—	472.74	0001	GB	Call VA Police	TOPC
KAFB-106016	—	465.52	04-15-2020	0.0	—	464.53	0001	GB		TOPC
KAFB-106017	—	465.61	04-14-2020	0.0	—	465.05	0001	PF		TOPC
KAFB-106018	—	459.43	04-14-2020	0.0	—	458.66	0001	GB		TOPC
KAFB-106019	—	477.65	04-14-2020	0.0	—	477.15	0001	PF		TOPC
KAFB-106020	—	463.81	4-15-2020	0.0	—	462.97	0001	PF	Call VA Police	TWV
KAFB-106024	—	466.65	04-14-2020	0.0	—	465.87	0001	GB		TWV
KAFB-106027	—	471.81	04-15-2020	0.0	—	470.92	0001	GB		TOPC
KAFB-106038	—	474.52	4-14-2020	0.0	—	474.02	0001	PF		TOPC
KAFB-106039	—	474.30	4-14-2020	0.0	—	473.83	0001	PF		TOPC
KAFB-106040	—	473.20	4-14-2020	0.0	—	472.73	0001	PF		TOPC
KAFB-106044	—	471.96	04-15-2020	0.0	—	~~470.95~~	0001	GB	DTW: 471.06	TOPC
KAFB-106045	—	471.65	04-15-2020	0.0	—	470.79	0001	GB		TOPC
KAFB-106046	—	475.63	04-14-2020	0.0	—	475.28	0001	GB	EA Barricade	TWV
KAFB-106047	—	476.14	04-14-2020	0.0	—	475.35	0001	GB	EA Barri	TWV
KAFB-106005			4-16-2020	0.0	—	468.72 ~~470.67~~	0001	JM/DS		

Well Gauging Form Team 1 | Total Wells 82 | 2020

Project: Kirtland AFB BFF ST-106/SS-111 | Quarter : 2

Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106093	—	436.99	4/15/2020	0.0	—	436.33	WH0012	GBr		TWV
KAFB-106103	—	451.74	4/15/2020	0.0	—	451.10	WH0012	GBr		TWV
KAFB-106104*	—	451.21	4-16-2020	0.0	—	450.34	WH0012	JM/DS	Δ = 0.87	TWV
KAFB-106105	—	444.41	4/15/2020	0.0	—	443.65	WH0012	GBr		TWV
KAFB-106106	—	444.28	4/15/2020	0.0	—	443.52	WH0012	GBr		TWV
KAFB-106107	—	444.52	4/15/2020	0.0	—	443.76	WH0012	GBr		TWV
KAFB-106201	—	479.31	4-16-2020	0.0	—	479.55	WH0012	JM/DS		TOPC
KAFB-106202	—	480.37	4-16-2020	0.0	—	480.58	WH0012	JM/DS		TOPC
KAFB-106203	—	480.77	4-16-2020	0.0	—	481.01	WH0012	JM/DS		TOPC
KAFB-106204	—	454.85	04/14/2020	0.0	—	454.10	WH0012	Gbr		TWV
KAFB-106205	—	455.21	04/14/2020	0.0	—	454.47	WH0012	Gbr		TWV
KAFB-106206	—	455.33	04/14/2020	0.0	—	454.61	WH0012	Gbr		TWV
KAFB-106207	—	465.41	4/15/2020	0.0	—	464.85	WH0012	GBr		TWV
KAFB-106208	—	465.11	4/15/2020	0.0	—	464.56	WH0012	GBr		TWV
KAFB-106209	—	464.47	4/15/2020	0.0	—	463.90	WH0012	GBr		TWV
KAFB-106212	—	445.43	04/14/2020	0.0	—	444.86	WH0012	Gbr	Church	TWV
KAFB-106213	—	448.24	04/14/2020	0.0	—	447.64	WH0012	Gbr	Church	TWV
KAFB-106214	—	448.28	04/14/2020	0.0	—	447.76	WH0012	Gbr	Church	TWV
KAFB-106215	—	448.51	04/14/2020	0.0	—	447.99	WH0012	Gbr	Church	TWV

*DMSO still deployed

	Well Gauging Form Team 2	Total Wells 85	2020
	Project: Kirtland AFB BFF ST-106/SS-111		Quarter : 2

Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106148-484	—	467.11	4-15-2020	0.0	—	466.30	253056	JM/DS		TWV
* KAFB-106149-484	—	469.08	4-16-2020	10.70	—	468.22	253056	GB		TWV *
KAFB-106150-484	467.36	467.47	4-15-2020	0.0	466.50	466.88	253056	JM/DS		TWV
* KAFB-106151-484	—	469.03	4-16-2020	4.70	—	468.01	253056	GB		TWV *
* KAFB-106152-484 04-16-2020	—	470.63	~~4-14-2020~~ GB	2.50	—	469.79	253056	GB		TWV *
* KAFB-106153-484	—	472.07	4-16-2020	0.80	—	471.22	253056	GB		TWV *
KAFB-106154-484	471.80	470.27	4-15-2020	0.0	—	469.43	253056	JM/DS		TWV
KAFB-106155-484	—	470.64	4-15-2020	0.0	—	469.88	253056	JM/DS		TWV
KAFB-106156-484	—	464.19	4-15-2020	0.0	463.31	—	253056	JM/DS		TWV
KAFB-106S1-447 haz	—	468.01	4-15-2020	0.0	—	467.31	253056	JM/DS		TWV
KAFB-106S2-451 haz	—	475.22	4-15-2020	0.0	—	474.51	253056	JM/DS		TOPC
KAFB-106S3-449 haz	—	474.31	4-15-2020	0.0	—	473.59	253056	JM/DS		TOPC
* KAFB-106S5-446 haz	—	466.30	04-16-2020	0.0	—	465.38	253056	GB		TWV *
* KAFB-106S7-451 haz	—	471.78	04-16-2020	0.0	—	470.87	253056	GB		TWV *
KAFB-106S8-451 haz	—	474.30	4-15-2020	0.0	—	473.61	~~253056 5124~~ JM	JM/DS		TOPC
* KAFB-106S9-447 haz	—	469.30	~~4-15-2020~~ JM 04-16-2020	0.7	—	468.08	253056	~~JM/DS~~ JM GB		TWV *

	Well Gauging Form Team 2					Total Wells 85				2020
	Project: Kirtland AFB BFF ST-106/SS-111									Quarter : 2
Well ID	Previous DTW 2020 Q1 (ft MRP)		Date	PID (ppm)	Depth to NAPL (ft MRP)	DTW (ft MRP)	WL Indicator SN or WHO Number:	Initials	Contact	Reference Point
	Depth to NAPL	DTW								
KAFB-106099	—	465.38	04-14-2020	0.0	—	464.59	0001	PF	EA Barricade	TWV
KAFB-106100	—	465.40	04-14-2020	0.0	—	464.61	0001	PF	EA Barricade	TWV
KAFB-106101	—	462.89	04-14-2020	0.0	—	462.36	0001	GB		TOPC
KAFB-106102	—	463.03	04-14-2020	0.0	—	462.50	0001	GB		TOPC
KAFB-106211	NA	NA	04-14-2020	0.0	—	464.71	0001	PF		TOPC
KAFB-106240	—	470.21	4-15-2020	0.0	—	468.52	5124	JM/DS		TWV
KAFB-106244	—	466.14	04-14-2020	0.0	—	465.39	0001	PF		TWV
KAFB-106245	—	484.11	04-14-2020	0.0	—	483.45	0001	GB		TOPC
KAFB-3411	—	466.59	4-15-2020	0.0	—	464.57	5124	JM/DS		TOPC
KAFB-106S4-446 IP	—	469.13	4-15-2020	0.0	—	467.54	5124	JM/DS		TOPC
KAFB-106247-450	—	474.85	04-14-2020	0.0	—	474.12	0001	GB		TOPC
* KAFB-106005 IP	—	469.40								TOPC *
KAFB-106006 IP	—	474.28	4-15-2020	0.0	—	472.62	5124	JM/DS		TOPC
* KAFB-106008 haz	—	474.50	4-16-2020	0.0	—	473.64	253056	GB		TOPC *
KAFB-106010 IP	—	466.02	4-15-2020	0.0	—	465.37	253056	JM/DS		TWV
KAFB-106014 IP	—	473.09	4-15-2020	0.0	—	471.28	5124	JM/DS		TOPC
KAFB-106028 haz	—	471.68	4-15-2020	0.0	—	471.09	253056	JM/DS	USS Bullhead	TWV
KAFB-106059 haz	470.86	471.10	4-15-2020	1.3	469.91	470.06	253056	JM/DS		TWV
KAFB-106063	NA	NA	Do not gauge						APTIM Yard	TOPC
KAFB-106064	NA	NA	Do not gauge						APTIM Yard	TOPC
KAFB-106076 IP	467.76	467.88	4-15-2020	0.0	467.25	467.26	253056	JM/DS		TWV
KAFB-106079 haz	—	472.55	4-15-2020	4.3	—	471.91	253056	JM/DS		TOPC
KAFB-106080 IP	—	471.14	4-15-2020	0.0	—	469.48	5124	JM/DS		TOPC

Table E-2-1
Water Level Meter Calibration Data

	Depth to Water (feet below ground surface)				Difference Between Meters (feet)					
	Water Level Meter									
Well ID	253053	253056 (control probe)	0001	5124	253053 and 253056	253053 and 0001	253053 and 5124	253056 and 0001	253056 and 5124	001 and 5124
KAFB-106027	470.76	470.76	470.84	469.78	0	-0.08	0.98	-0.08	0.98	1.06
KAFB-106044[a]	470.6	470.90	471.00	469.94	-0.3	-0.4	0.66	-0.1	0.96	1.06
KAFB-106045	470.57	470.59	470.68	469.63	-0.02	-0.11	0.94	-0.09	0.96	1.05
Average Difference					-0.01	-0.09	0.96	-0.09	0.97	1.06
Correction Factor	**0**	**0**	**-0.09**	**0.97**						

[a]The water level taken using 253053 at well KAFB-106044 was not used in the average difference calculations, as it was inconsistent with the difference between probes measured at the other wells and in previous quarters (0.3 feet lower) and was determined to most likely be incorrectly recorded.

Table E-2-2
Gauging Calibration Corrections, Q2 2020

Well Location ID	Reference Elevation Interval (ft AMSL)	Date of Measurement	Depth to LNAPL (ft MRP)	Depth to Water (ft MRP)	Water Level Interface Probe Used (Serial Number)	Correction Applied (ft)	Corrected Depth to LNAPL (ft MRP)	Corrected Depth to Water (ft MRP)
KAFB-106001[a]	4857/4838	4/16/2020	—	466.81	0001	-0.09	—	466.72
KAFB-106002	4857	4/14/2020	—	464.21	0001	-0.09	—	464.12
KAFB-106003	4857	4/14/2020	—	462.22	0001	-0.09	—	462.13
KAFB-106004	4857	4/14/2020	—	467.62	0001	-0.09	—	467.53
KAFB-106005	4857	4/16/2020	—	468.72	0001	-0.09	—	468.63
KAFB-106006	4857	4/15/2020	—	472.62	5124	0.97	—	473.59
KAFB-106007	4857	4/15/2020	—	471.88	0001	-0.09	—	471.79
KAFB-106008	4857	4/16/2020	—	473.64	253056	0.00	—	473.64
KAFB-106009	4857	4/16/2020	—	470.39	0001	-0.09	—	470.30
KAFB-106010	4857	4/15/2020	—	465.37	253056	0.00	—	465.37
KAFB-106011	4857	4/15/2020	—	475.39	0001	-0.09	—	475.30
KAFB-106012R	4857	4/15/2020	—	467.2	0001	-0.09	—	467.11
KAFB-106013	4857	4/15/2020	—	472.74	0001	-0.09	—	472.65
KAFB-106014	4857	4/15/2020	—	471.28	5124	0.97	—	472.25
KAFB-106015[a]	4857/4838	4/15/2020	—	464.51	253053	0.00	—	464.51
KAFB-106016	4857	4/15/2020	—	464.53	0001	-0.09	—	464.44
KAFB-106017[a]	4857/4838	4/14/2020	—	465.05	0001	-0.09	—	464.96
KAFB-106018[a]	4857/4838	4/14/2020	—	458.66	0001	-0.09	—	458.57
KAFB-106019[a]	4857/4838	4/14/2020	—	477.15	0001	-0.09	—	477.06
KAFB-106020	4857	4/15/2020	—	462.97	0001	-0.09	—	462.88
KAFB-106021[a]	4857/4838	4/14/2020	—	436.31	253053	0.00	—	436.31
KAFB-106022[a]	4857/4838	4/15/2020	—	440.15	253053	0.00	—	440.15
KAFB-106023	4857	4/15/2020	—	450.85	253053	0.00	—	450.85
KAFB-106024	4857	4/14/2020	—	465.87	0001	-0.09	—	465.78
KAFB-106025[a]	4857/4838	4/15/2020	—	438.86	253053	0.00	—	438.86
KAFB-106026	4857	4/15/2020	—	443.03	5124	0.97	—	444.00
KAFB-106027	4857	4/15/2020	—	470.92	0001	-0.09	—	470.83
KAFB-106028	4857	4/15/2020	—	471.09	253056	0.00	—	471.09
KAFB-106029	4857	4/14/2020	—	432.42	253053	0.00	—	432.42
KAFB-106030	4838	4/14/2020	—	432.54	253053	0.00	—	432.54
KAFB-106031	4814	4/14/2020	—	432.56	253053	0.00	—	432.56
KAFB-106032	4857	4/15/2020	—	439.06	253053	0.00	—	439.06
KAFB-106033	4838	4/15/2020	—	439.22	253053	0.00	—	439.22
KAFB-106034	4814	4/15/2020	—	440.06	253053	0.00	—	440.06
KAFB-106035	4857	4/14/2020	—	444.2	253053	0.00	—	444.20
KAFB-106036	4838	4/14/2020	—	444.68	253053	0.00	—	444.68
KAFB-106037	4838	4/14/2020	—	445.31	253053	0.00	—	445.31
KAFB-106038	4857	4/14/2020	—	474.02	0001	-0.09	—	473.93
KAFB-106039	4838	4/14/2020	—	473.83	0001	-0.09	—	473.74
KAFB-106040	4814	4/14/2020	—	472.73	0001	-0.09	—	472.64
KAFB-106041	4857	4/15/2020	—	445.85	253053	0.00	—	445.85
KAFB-106042	4857	4/15/2020	—	445.6	253053	0.00	—	445.60
KAFB-106043	4814	4/15/2020	—	445.85	253053	0.00	—	445.85
KAFB-106044	4838	4/15/2020	—	471.06	0001	-0.09	—	470.97
KAFB-106045	4814	4/15/2020	—	470.79	0001	-0.09	—	470.70
KAFB-106046	4857	4/14/2020	—	475.28	0001	-0.09	—	475.19
KAFB-106047	4838	4/14/2020	—	475.35	0001	-0.09	—	475.26
KAFB-106048	4814	4/14/2020	—	475.08	0001	-0.09	—	474.99
KAFB-106049	4857	4/15/2020	—	437.36	253053	0.00	—	437.36
KAFB-106050	4838	4/15/2020	—	436.75	253053	0.00	—	436.75
KAFB-106051	4814	4/15/2020	—	437.06	253053	0.00	—	437.06
KAFB-106052	4857	4/15/2020	—	440.41	253053	0.00	—	440.41
KAFB-106053	4838	4/15/2020	—	440.33	253053	0.00	—	440.33
KAFB-106054	4814	4/15/2020	—	439.91	253053	0.00	—	439.91
KAFB-106055	4857	4/15/2020	—	446.87	253053	0.00	—	446.87
KAFB-106057	4838	4/15/2020	—	447.22	253053	0.00	—	447.22
KAFB-106058	4814	4/15/2020	—	447.79	253053	0.00	—	447.79
KAFB-106059	4857	4/15/2020	469.91	470.06	253056	0.00	469.91	470.06
KAFB-106060	4838	4/15/2020	—	467.62	0001	-0.09	—	467.53
KAFB-106061	4814	4/15/2020	—	467.57	0001	-0.09	—	467.48
KAFB-106062	4814	4/14/2020	—	473.55	0001	-0.09	—	473.46
KAFB-106063[b]	4838	NA	NA	NA	NA	0.00	NA	#VALUE!
KAFB-106064[b]	4857	NA	NA	NA	NA	0.00	NA	#VALUE!
KAFB-106065	4838	4/15/2020	—	471.12	0001	-0.09	—	471.03
KAFB-106066	4814	4/15/2020	—	471.32	0001	-0.09	—	471.23
KAFB-106067	4857	4/14/2020	—	470.1	0001	-0.09	—	470.01
KAFB-106068	4814	4/14/2020	—	469.88	0001	-0.09	—	469.79
KAFB-106069	4838	4/14/2020	—	469.7	0001	-0.09	—	469.61
KAFB-106070	4857	4/16/2020	—	440.55	253053	0.00	—	440.55
KAFB-106071	4814	4/16/2020	—	442.82	253053	0.00	—	442.82
KAFB-106072	4838	4/16/2020	—	441.13	0001	-0.09	—	441.04
KAFB-106073	4838	4/15/2020	—	461.85	0001	-0.09	—	461.76
KAFB-106074	4814	4/15/2020	—	462.59	0001	-0.09	—	462.50
KAFB-106075	4857	4/15/2020	—	462.56	0001	-0.09	—	462.47
KAFB-106076	4857	4/15/2020	467.25	467.26	253056	0.00	467.25	467.26
KAFB-106077	4838	4/15/2020	—	468.44	0001	-0.09	—	468.35
KAFB-106078	4814	4/15/2020	—	467.58	0001	-0.09	—	467.49
KAFB-106079	4857	4/15/2020	—	471.91	253056	0.00	—	471.91
KAFB-106080	4838	4/15/2020	—	469.48	5124	0.97	—	470.45
KAFB-106081	4814	4/15/2020	—	471.74	0001	-0.09	—	471.65
KAFB-106082	4857	4/14/2020	—	457.78	0001	-0.09	—	457.69

Table E-2-2
Gauging Calibration Corrections, Q2 2020

Well Location ID	Reference Elevation Interval (ft AMSL)	Date of Measurement	Depth to LNAPL (ft MRP)	Depth to Water (ft MRP)	Water Level Interface Probe Used (Serial Number)	Correction Applied (ft)	Corrected Depth to LNAPL (ft MRP)	Corrected Depth to Water (ft MRP)
KAFB-106083	4838	4/14/2020	—	457.43	0001	-0.09	—	457.34
KAFB-106084	4814	4/14/2020	—	460.23	0001	-0.09	—	460.14
KAFB-106085	4857	4/14/2020	—	439.3	253053	0.00	—	439.30
KAFB-106086	4838	4/14/2020	—	439.66	253053	0.00	—	439.66
KAFB-106087	4814	4/14/2020	—	438.81	253053	0.00	—	438.81
KAFB-106088	4857	4/14/2020	—	446.65	253053	0.00	—	446.65
KAFB-106089	4838	4/14/2020	—	446.33	253053	0.00	—	446.33
KAFB-106090	4814	4/14/2020	—	445.17	253053	0.00	—	445.17
KAFB-106091	4857	4/15/2020	—	436.11	253053	0.00	—	436.11
KAFB-106092	4838	4/15/2020	—	436.25	253053	0.00	—	436.25
KAFB-106093	4814	4/15/2020	—	436.33	253053	0.00	—	436.33
KAFB-106094	4857	4/14/2020	—	467.33	0001	-0.09	—	467.24
KAFB-106095	4838	4/14/2020	—	466.88	0001	-0.09	—	466.79
KAFB-106096	4814	4/14/2020	—	467.53	0001	-0.09	—	467.44
KAFB-106097	4838	4/15/2020	—	469.68	0001	-0.09	—	469.59
KAFB-106098	4814	4/15/2020	—	469.76	0001	-0.09	—	469.67
KAFB-106099	4838	4/14/2020	—	464.59	0001	-0.09	—	464.50
KAFB-106100	4814	4/14/2020	—	464.61	0001	-0.09	—	464.52
KAFB-106101	4838	4/14/2020	—	462.36	0001	-0.09	—	462.27
KAFB-106102	4814	4/14/2020	—	462.5	0001	-0.09	—	462.41
KAFB-106103	4838	4/15/2020	—	451.1	253053	0.00	—	451.10
KAFB-106104	4814	4/16/2020	—	450.34	253053	0.00	—	450.34
KAFB-106105	4838	4/15/2020	—	443.65	253053	0.00	—	443.65
KAFB-106106	4857	4/15/2020	—	443.52	253053	0.00	—	443.52
KAFB-106107	4814	4/15/2020	—	443.76	253053	0.00	—	443.76
KAFB-106148-484[c]	4857	4/15/2020	—	466.3	253056	0.00	—	466.30
KAFB-106149-484[c]	4857	4/16/2020	—	468.22	253056	0.00	—	468.22
KAFB-106150-484[c]	4857	4/15/2020	466.5	466.88	253056	0.00	466.5	466.88
KAFB-106151-484[c]	4857	4/16/2020	—	468.01	253056	0.00	—	468.01
KAFB-106152-484[c]	4857	4/16/2020	—	469.79	253056	0.00	—	469.79
KAFB-106153-484[c]	4857	4/16/2020	—	471.22	253056	0.00	—	471.22
KAFB-106154-484[c]	4857	4/15/2020	—	469.43	253056	0.00	—	469.43
KAFB-106155-484[c]	4857	4/15/2020	—	469.88	253056	0.00	—	469.88
KAFB-106156-484[c]	4857	4/15/2020	—	463.31	253056	0.00	—	463.31
KAFB-106201	4857	4/16/2020	—	479.55	253053	0.00	—	479.55
KAFB-106202	4838	4/16/2020	—	480.58	253053	0.00	—	480.58
KAFB-106203	4814	4/16/2020	—	481.01	253053	0.00	—	481.01
KAFB-106204	4857	4/14/2020	—	454.1	253053	0.00	—	454.10
KAFB-106205	4838	4/14/2020	—	454.47	253053	0.00	—	454.47
KAFB-106206	4814	4/14/2020	—	454.61	253053	0.00	—	454.61
KAFB-106207	4857	4/15/2020	—	464.85	253053	0.00	—	464.85
KAFB-106208	4838	4/15/2020	—	464.56	253053	0.00	—	464.56
KAFB-106209	4814	4/15/2020	—	463.9	253053	0.00	—	463.90
KAFB-106211[c]	4857	4/14/2020	—	464.71	0001	-0.09	—	464.62
KAFB-106212	4814	4/14/2020	—	444.86	253053	0.00	—	444.86
KAFB-106213	4857	4/14/2020	—	447.64	253053	0.00	—	447.64
KAFB-106214	4838	4/14/2020	—	447.76	253053	0.00	—	447.76
KAFB-106215	4814	4/14/2020	—	447.99	253053	0.00	—	447.99
KAFB-106216	4857	4/14/2020	—	456	253053	0.00	—	456.00
KAFB-106217	4838	4/14/2020	—	455.9	253053	0.00	—	455.90
KAFB-106218	4814	4/14/2020	—	456.05	253053	0.00	—	456.05
KAFB-106219	4857	4/14/2020	—	462.07	253053	0.00	—	462.07
KAFB-106220	4838	4/14/2020	—	462	253053	0.00	—	462.00
KAFB-106221	4814	4/14/2020	—	461.8	253053	0.00	—	461.80
KAFB-106222	4857	4/15/2020	—	453.9	5124	0.97	—	454.87
KAFB-106223	4838	4/15/2020	—	454.49	5124	0.97	—	455.46
KAFB-106224	4814	4/15/2020	—	455.64	5124	0.97	—	456.61
KAFB-106225	4857	4/15/2020	—	447.27	5124	0.97	—	448.24
KAFB-106226	4838	4/15/2020	—	447.88	5124	0.97	—	448.85
KAFB-106227	4814	4/15/2020	—	448.65	5124	0.97	—	449.62
KAFB-106229[a,c]	4857/4838	4/15/2020	—	435.05	5124	0.97	—	436.02
KAFB-106230	4814	4/15/2020	—	445.11	5124	0.97	—	446.08
KAFB-106231	4857	4/14/2020	—	448.66	253053	0.00	—	448.66
KAFB-106232	4814	4/14/2020	—	448.22	253053	0.00	—	448.22
KAFB-106235-438	4857	4/15/2020	—	436.32	5124	0.97	—	437.29
KAFB-106235-472	4838	4/15/2020	—	436.31	5124	0.97	—	437.28
KAFB-106235-501	4814	4/15/2020	—	436.35	5124	0.97	—	437.32
KAFB-106236-436	4857	4/15/2020	—	437.18	0001	-0.09	—	437.09
KAFB-106236-470	4838	4/15/2020	—	437.16	0001	-0.09	—	437.07
KAFB-106236-499	4814	4/15/2020	—	437.2	0001	-0.09	—	437.11
KAFB-106240-449	4857	4/15/2020	—	468.52	5124	0.97	—	469.49
KAFB-106241-428	4857	4/15/2020	—	446.42	253053	0.00	—	446.42
KAFB-106242-418	4857	4/14/2020	—	438.2	253053	0.00	—	438.20
KAFB-106243-425	4857	4/14/2020	—	442.84	253053	0.00	—	442.84
KAFB-106244-445	4857	4/14/2020	—	465.39	0001	-0.09	—	465.30
KAFB-106245-460	4857	4/14/2020	—	483.45	0001	-0.09	—	483.36
KAFB-106247-450	4857	4/14/2020	—	474.12	0001	-0.09	—	474.03
KAFB-106S1-447	4857	4/15/2020	—	467.31	253056	0.00	—	467.31
KAFB-106S2-451	4857	4/15/2020	—	474.51	253056	0.00	—	474.51
KAFB-106S3-449	4857	4/15/2020	—	473.59	253056	0.00	—	473.59
KAFB-106S4-446	4857	4/15/2020	—	467.54	5124	0.97	—	468.51
KAFB-106S5-446	4857	4/16/2020	—	465.38	253056	0.00	—	465.38

Table E-2-2
Gauging Calibration Corrections, Q2 2020

Well Location ID	Reference Elevation Interval (ft AMSL)	Date of Measurement	Depth to LNAPL (ft MRP)	Depth to Water (ft MRP)	Water Level Interface Probe Used (Serial Number)	Correction Applied (ft)	Corrected Depth to LNAPL (ft MRP)	Corrected Depth to Water (ft MRP)
KAFB-106S7-451	4857	4/16/2020	—	470.87	253056	0.00	—	470.87
KAFB-106S8-451	4857	4/15/2020	—	473.61	253056	0.00	—	473.61
KAFB-106S9-447	4857	4/16/2020	—	468.08	253056	0.00	—	468.08
KAFB-3411	4857	4/15/2020	—	464.57	5124	0.97	—	465.54
KAFB-0118		4/14/2020	—	442.68	5124	0.97	—	443.65
KAFB-0120		4/14/2020	—	411.94	5124	0.97	—	412.91
KAFB-0121		4/14/2020	—	429.63	5124	0.97	—	430.60
KAFB-0213		4/14/2020	—	406.39	5124	0.97	—	407.36
KAFB-0219		4/14/2020	—	388.06	5124	0.97	—	389.03
KAFB-0222		4/14/2020	—	368.5	5124	0.97	—	369.47
KAFB-0417		4/14/2020	—	440.92	5124	0.97	—	441.89
KAFB-0504		4/14/2020	—	479.96	5124	0.97	—	480.93
KAFB-0505		4/14/2020	—	486.29	5124	0.97	—	487.26
KAFB-0507R		4/14/2020	—	481.25	5124	0.97	—	482.22
KAFB-0508		4/14/2020	—	476.31	5124	0.97	—	477.28

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106001 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW001-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 467.98 **(Gauged on 1/20/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -18.30

Well Depth: 511.78 ft MRP
Top of Screen: 486.28 ft MRP
Bottom of Screen: 511.28 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-20-2020 **Time Deployed:** 1245

PID: MiniRAE 3000 **Serial No:** Wh0004

Water Level Meter: Solinst 500 ft **Serial No:** —

PID Reading: 0.8 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? NP
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	486.98
2	489.58
3	492.18
4	494.78
5	497.38
6	499.98
7	502.58
8	505.18
9	507.78

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106001 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW001-202

Date Sampled: 4-16-2020 **Time Sampled:** 1231 **Sampling Team:** DS + JM

PID Reading: 1.1 **DMS Tether and Reel ID match Well ID?** JM *Initial to confirm that ID check was completed*

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W4/0005

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

Notes:

Sample ID: GW001-202
Duplicate ID: (if applicable) GW001-602
COC#: COC-001-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106002
Project No: 62599DM01
Samplers: J. Messenger E. Begaye
Date: 4-17-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 507.39 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 481.39 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 506.39 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 464.67 ft MRP
Depth to Water (DTW): 463.92 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	592-915790
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW002-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW002-602
Sampling Medium: Water
COC#: COC-002-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-17-2020

Purge Information and Field Parameter

Purge Start Time: 1149 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 16.72 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**464.67**	**0.28**	**18.2**	-------	**6.94**	**519.5**	**7.71**	**119.9**
1155	463.95	0.55	18.4	72.1	6.77	407.9	7.68	309.7
1200	463.95	0.29	18.2	70.9	6.67	407.9	7.61	307.2
1205	463.94	0.31	18.4	69.0	6.48	406.5	7.52	304.9
1210	463.95	0.31	18.5	67.5	6.31	410.6	7.51	303.1

Sample Time: ~~1218~~ JM 1212 Sample Date: 4-17-2020

Purge End Time: 1218

6mm

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

Sampled by: J. Messenger Sampler Signature: J. Messenger

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.2
2	—
Total	6.2

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106003
Project No: 62599DM01
Samplers: Dylan Schmeelk Pete Ferraro
Date: 4-30-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 506.00 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 479.00 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 504.00 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: 0.0 ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 462.81 ft MRP
Depth to Water (DTW): 461.87 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	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	NH004
Water Level Meter:	Solinst 500 ft	Serial No:	NH0012
Turbidity Meter:	Hach 2100Q	Serial No:	NH0007

Sample Information

Sample ID: GW003-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW003-602
Sampling Medium: Water
COC#: COC-003-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-30-2020

Purge Information and Field Parameter

Purge Start Time: 1302 Purge Rate: 0.680 L/min X 0.265 = 0.1802 gal/min

Description of first water purged: Clear / odorless

Drawdown Limit: 16.19 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**462.81**	**0.96**	**17.1**	-------	**6.5**	**867**	**7.85**	**159.8**
1305	461.90	1.60	22.9	99.1	8.42	609	8.06	182.5
1310	461.89	1.14	22.0	79.5	6.69	523.4	7.78	185.6
1315	461.88	0.88	21.5	66.4	5.85	512.4	7.78	184.0
1320	461.88	1.77	21.6	63.8	5.62	513.7	7.80	181.3
1325	461.87	1.51	21.3	61.8	5.49	514.8	7.77	181.6

Sample Time: 1330 Sample Date: 4-30-2020

Purge End Time: 1342

6mm

Bubbles in the vials?: ☑ Yes ☐ No Where? All VOA's Amount 1 Size <1mm

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	12
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Sample water lightly aerated with micro bubbles

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106004
Project No: 62599DM01
Samplers: D. Schneeb J. Messenger
Date: 5-5-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 512.74 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 486.74 ft MRP
Barricade/Notification: X
Bottom of Screen: 511.74 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 468.41 ft MRP
Depth to Water (DTW): 467.64 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 488.74 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH00005
Water Level Meter:	Solinst 500 ft	Serial No:	WH00012
Turbidity Meter:	Hach 2100Q	Serial No:	WH00007

Sample Information

Sample ID: GW004-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW004-602
Sampling Medium: Water
COC#: COC-004-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 5-5-2020

Purge Information and Field Parameter

Purge Start Time: 1235 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: clear; no odor – moderately aerated

Drawdown Limit: 18.33 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**468.41**	**2.72**	**19.7**	**-------**	**7.62**	**548.2**	**7.78**	**-7.5**
1240	467.67	2.33	22.0	96.6	8.49	385.9	7.66	154.1
1245	467.67	0.53	21.1	85.8	7.63	382.0	7.65	160.0
1250	467.68	0.53	20.7	78.5	7.03	375.1	7.64	165.0
1255	467.6	0.39	20.9	83.1	7.45	393.2	7.65	166.3

Sample Time: 1300 Sample Date: 5-5-2020

Purge End Time: 1304

6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.7
2	5
Total	11.7

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106005 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW005-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 469.40 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -12.47

Well Depth: 508.87 ft MRP
Top of Screen: 481.87 ft MRP
Bottom of Screen: 506.87 ft MRP

Deployment Team: D. Schmeelk, N. Peterson

Date Deployed: 3-20-2020 Time Deployed: 1130

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? NP

Initial to confirm that ID check was completed

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

MS/MSD required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	482.57
2	485.17
3	487.77
4	490.37
5	492.97
6	495.57
7	498.17
8	500.77
9	503.37

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW005-202

Well Location ID: KAFB-106005 *Sampling*

Date Sampled: 4-16-2020 Time Sampled: 1041 Sampling Team: DS+JM

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

Type of Analysis (circle appropriate)

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

MS/MSD required.

PID: MiniRAE 3000 Serial No: W4A005

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

Sample ID: GW005-202
Duplicate ID: (if applicable) GW005-602
COC#: COC-005-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106006
Project No: 62599DM01
Samplers: D. Schmeelk, G. Begaye
Date: 04-24-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 514.18 ft MRP
SCREEN SUBMERGED on 1/22/2020 (previous gauging date)
Top of Screen: 486.68 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 511.68 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/22/2020

Previous Depth to water: 474.28 ft MRP
Depth to Water (DTW): 473.77 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

Non-Dedicated Pump Depth: 488.5 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	AS Geotech ~~Solinst 500 ft~~	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW006-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW006-602
Sampling Medium: Water
COC#: COC-006-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Purge Information and Field Parameter

Date: 04-24-2020

Purge Start Time: 0825 Purge Rate: 0.880 L/min X 0.265 = 0.2332 gal/min

Description of first water purged: clear with light VOC odor

Drawdown Limit: 12.40 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**474.28**	**2.65**	**19.9**	-------	**2.94**	**334.5**	**7.57**	**-161.1**
0830	473.73	7.53	17.2	94.8	9.17	419.4	8.07	208.5
0835	473.73	2.73	18.0	~~5.05~~ 53.2	5.05	510.1	7.65	-23.9
0840	473.73	3.14	18.3	38.4	3.54	513.9	7.66	-50.8
0845	473.72	2.57	18.3	27.1	2.42	517.1	7.66	-68.7
0850	473.72	2.41	18.4	21.7	2.02	521.2	7.68	-72.3
0855	473.72	2.37	18.4	18.7	1.73	524.2	7.68	-74.8
0900	473.72	2.28	18.5	16.9	1.59	526.2	7.69	-77.2
0905	473.72	2.79	18.4	17.2	1.60	527.8	7.69	-74.6
			AS					

Sample Time: 0908 Sample Date: 4-24-2020

Purge End Time: 0913

Bubbles in the vials?: ☑ Yes ☐ No Where? BTEX x1 Amount 1 Size 6mm < 1mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

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

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106007
Project No: 62599DM01
Samplers: J. Messenger P. Ferrari
Date: 4-24-2020
Crew Signature: J. Messenger P. Ferrari

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 515.66 ft MRP
Top of Screen: 488.66 ft MRP
Bottom of Screen: 513.66 ft MRP
Reference Elevation Interval: 4857
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 472.86 ft MRP
Depth to Water (DTW): DF 471.81 **ft MRP**

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 490.66 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH 0005
Water Level Meter:	Solinst 500 ft	Serial No:	WH 0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH 0007

Sample Information

Sample ID: GW007-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW007-602
Sampling Medium: Water
COC#: COC-007-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2026

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-24-2020

Purge Information and Field Parameter

Purge Start Time: 1200 Purge Rate: 0.840 L/min X 0.265 = 0.2226 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 15.80 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**472.86**	**0.21**	**17.3**	-------	**7.28**	**394.7**	**7.53**	**152.6**
1210	471.82	1.12	21.6	57.5	5.07	388.9	7.85	250.4
1215	471.81	1.04	21.3	52.0	4.60	389.2	7.86	247.1
1220	471.81	1.17	21.2	49.4	4.38	389.4	7.87	244.0
1225	471.81	1.66	21.2	51.5	4.57	389.5	7.88	242.2

Sample Time: 1228 Sample Date: 4-24-2020

Purge End Time: 1231

6mm

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	Purge 6.9 gal
2	Decon 8 gal
Total	15 gal

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Page 2 of 2

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106008 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW008-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 474.50 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -14.42

Well Depth: 516.42 ft MRP
Top of Screen: 488.92 ft MRP
Bottom of Screen: 513.92 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 03-20-2020 Time Deployed: 1110

PID: MiniRAE 3000 Serial No: JRL WA0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 474.50

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	489.62
2	492.22
3	494.82
4	497.42
5	500.02
6	502.62
7	505.22
8	507.82
9	510.42

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106008 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW008-202

Date Sampled: 04-16-2020 Time Sampled: 1110 Sampling Team: G. Beyale, P. Ferrari

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

Type of Analysis (circle appropriate)

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

Duplicate sample required.

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GW008-202
Duplicate ID: (if applicable) GW008-602
COC#: COC-008-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106009 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW009-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 471.24 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -12.45

Well Depth: 511.19 ft MRP
Top of Screen: 483.69 ft MRP
Bottom of Screen: 508.69 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-20-2020 Time Deployed: 1215

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? NP

Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number: ✓	Top of Sampler Depth (MRP)
1	484.39
2	486.99
3	489.59
4	492.19
5	494.79
6	497.39
7	499.99
8	502.59

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW009-202

Well Location ID: KAFB-106009 *Sampling*

Date Sampled: 4-16-2020 Time Sampled: 1141 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH00005

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

Notes:

Sample ID: GW009-202
Duplicate ID: (if applicable) GW009-602
COC#: COC-009-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106010
Project No: 62599DM01
Samplers: D. Schmeelk, G. Begaye
Date: 4-24-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/22/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: Pending Analysis Yard

Well Depth: 510.50 ft MRP
Top of Screen: 483.00 ft MRP
Bottom of Screen: 508.00 ft MRP
Reference Elevation Interval: 4857
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/22/2020

Previous Depth to water: 466.02 ft MRP
Depth to Water (DTW): 465.37 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

Non-Dedicated Pump Depth: 485 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	W1H0004
Water Level Meter:	* Geotech ~~Solinst~~ 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW010-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW010-602
Sampling Medium: Water
COC#: COC-010-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-24-2020

Purge Information and Field Parameter

Purge Start Time: 1235 Purge Rate: 0.600 L/min X 0.265 = 0.159 gal/min

Description of first water purged: Clear with medium

Drawdown Limit: 16.98 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**466.02**	**2.81**	**18.8**	-------	**0.81**	**683**	**7.12**	**-91.2**
1240	465.35	2.40	21.0	106.6	9.44	540.9	7.85	78.5
1245	465.37	2.12	21.2	100.2	8.70	549	7.70	21.6
1250	465.38	1.41	21.2	35.0	3.00	606	7.12	-114.7
1255	465.37	0.70	21.2	17.2	1.52	598	7.12	-144.4
1300	465.37	0.84	21.2	10.9	0.96	588	7.14	-170.2
1305	465.37	1.22	21.0	8.7	0.77	579	7.13	-183.6
1310	465.37	1.02	21.1	8.6	0.77	571	7.15	-191.4
1315	465.37	1.11	20.7	9.0	0.80	577	7.13	-196.6

Sample Time: 1321 Sample Date: 4-24-2020

Purge End Time: 1328

Bubbles in the vials?: ☒ Yes ☐ No Where? ~~BT~~ EDB x1 * Amount 1 Size 6mm <1mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14
2	—
Total	14

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106011
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-17-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 519.05 ft MRP
Top of Screen: 489.05 ft MRP
Bottom of Screen: 514.05 ft MRP
Reference Elevation Interval: 4857
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 476.05 ft MRP
Depth to Water (DTW): 475.27 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	592-915790
Water Level Meter:	Solinst 500 ft	Serial No:	WH0072
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW011-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW011-602
Sampling Medium: Water
COC#: COC-011-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-17-2020

Purge Information and Field Parameter

Purge Start Time: 1008 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: clear no odor

Drawdown Limit: 13.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**476.05**	**0.57**	**17.9**	-------	**7.22**	**423.9**	**7.72**	**158.3**
1010	475.30	0.27	17.6	91.4	8.70	1129	7.60	358.4
1015	475.30	0.24	17.5	70.8	6.75	1173	7.69	349.5
1020	475.30	0.25	17.6	66.6	6.34	1170	7.66	344.3
1025	475.30	0.44	17.8	64.1	6.07	1169	7.61	341.4
1030	475.29	0.54	17.9	59.3	5.61	1165	7.63	339.3
1035	475.29	4.11	18.0	25.8	2.44	1194	7.62	335.3
1040	475.30	2.28	18.2	16.4	1.54	1183	7.57	328.5
1045	475.30	2.63	18.3	12.8	1.20	1159	7.59	322.1
1050	475.30	1.32	18.3	10.9	1.02	1143	7.58	316.6
1055	475.30	3.64	18.3	9.5	0.89	1114	7.60	309.8
1100	475.30	0.87	18.3	8.5	0.80	1080	7.61	302.6
1105	475.29	1.18	18.4	8.0	0.75	1061	7.62	296.9
1110	475.30	1.12	18.3	7.6	0.71	1050	7.62	291.0

Sample Time: 1113 Sample Date: 4-17-2020

Purge End Time: 1118

6mm

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14.8
2	—
Total	14.8

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: DO did not stabilize within one hour — Sampled according to Work Plan

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Page 2 of 2

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Project No: 62599DM01
Date: 4-23-2020
Well ID: KAFB-106012R
Samplers: J. Messenger G. Begaye
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 467.83 ft MRP
Depth to Water (DTW): 466.88 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18078 - 752

Non-Dedicated Pump Depth: 470.49 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100 378
PID:	MiniRAE 3000	Serial No:	WH000 5
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0027

Sample Information

Sample ID: GW012R-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW012R-602
Sampling Medium: Water
COC#: COC-012R-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-23-2020

Purge Information and Field Parameter

Purge Start Time: 1330 Purge Rate: 0.660 L/min X 0.265 = 0.175 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 0.66 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**467.83**	**10.1**	**20.4**	-------	**8.16**	**1974**	**7.36**	**146**
1335	466.92	1.70	25.4	85.0	6.98	3.2	5.29	194.0
1340	466.92	0.75	24.9	81.1	6.70	1714	7.33	243.6
1345	466.92	0.98	23.8	75.4	6.35	1707	7.38	234.3
1350	466.92	0.69	22.8	70.9	6.08	1703	7.40	231.2
1355	466.92	0.85	23.0	70.7	6.03	1700	7.40	228.7

Sample Time: 1357 Sample Date: 4-23-2020

Purge End Time: 1408

6mm

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.7
2	—
Total	6.7

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106013
Project No: 62599DM01
Samplers: D. Schmeelk, P. Ferrari
Date: 5-1-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 519.65 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 489.65 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 514.65 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 473.23 ft MRP
Depth to Water (DTW): 472.46 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18078-5 752

Non-Dedicated Pump Depth: 491.65 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW013-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW013-602
Sampling Medium: Water
COC#: COC-013-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 5-1-2020

Purge Information and Field Parameter

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

Description of first water purged: clear / odorless

Drawdown Limit: 16.42 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**473.23**	**2.64**	**19.8**	-------	**1.08**	**419.1**	**7.19**	**65.7**
1125	472.47	9.32	23.3	74.2	6.34	481.3	7.74	172.2
1130	472.47	35.9	22.4	71.2	6.16	461.2	7.70	172.9
1135	472.47	29.6	21.6	30.9	2.70	465.2	7.75	165.1
1140	472.46	25.2	21.7	25.2	2.24	465.3	7.77	157.4
1145	472.47	21.2	21.7	20.9	1.83	466.2	7.79	153.0
1150	472.44	~~21.5~~ 18.9	21.4	19.5	1.72	465.6	7.77	148.4
1155	472.46	14.6	22.5	18.1	1.57	468.0	7.81	142.1
1200	~~472.47~~	13.1	21.7	17.4	1.53	466.4	7.78	141.6
1205	472.47	11.7	21.7	17.7	1.55	467.2	7.79	140.2
1210	472.46	11.5	21.7	17.0	1.50	467.5	7.79	138.6
1215	472.45	10.8	21.5	17.4	1.53	467.7	7.79	138.1

Sample Time: 1221 Sample Date: 5-1-2020

Purge End Time: 1225 6mm

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

Sampled by: D. Schweelk Sampler Signature:

IDW Management

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

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106014
Project No: 62599DM01
Samplers: D. Schmeelk, G. Begaye
Date: 4-24-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: Pending Analysis Yard

Well Depth: 519.19 ft MRP
Top of Screen: 489.19 ft MRP
Bottom of Screen: 514.19 ft MRP
Reference Elevation Interval: 4857
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

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

LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 473.09 ft MRP
Depth to Water (DTW): 472.36 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

Non-Dedicated Pump Depth: 491 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	AS Geotech ~~Solinst~~ 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW014-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW014-602
Sampling Medium: Water
COC#: COC-014-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: ~~4-23~~ - 4-24-2020

Purge Information and Field Parameter

Purge Start Time: 1035 Purge Rate: 0.720 L/min X 0.265 = 0.1908 gal/min

Description of first water purged: Clear with light VOC odor.

Drawdown Limit: 16.10 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	473.09	3.66	18.8	-------	0.32	618	7.44	-210.6
1040	472.36	5.45	14.8	89.0	8.61	787	7.82	142.0
1045	472.37	5.43	18.8	52.8	3.83	956	7.13	-39.4
1050	472.37	4.36	19.0	31.2	2.81	1097	7.14	-82.5
1055	472.37	4.52	19.0	22.1	2.01	1100	7.15	-101.6
1100	472.37	4.20	19.0	17.9	1.60	1094	7.17	-116.9
1105	472.37	4.91	19.1	17.3	1.60	1087	7.17	-123.1
1110	472.37	4.86	19.1	16.9	1.56	1085	7.19	-128.6

Sample Time: 1111 Sample Date: 4-24-2020

Purge End Time: 1117

Bubbles in the vials?: ☑ Yes ☐ No Where? EDB x1 Amount 1 Size 6mm < 1mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

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

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Page 2 of 2

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW015-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 465.04 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -22.48

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

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 1340

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 465.04

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

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

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

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106015 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW015-202

Date Sampled: 4-6-2020 Time Sampled: 1424 Sampling Team: JM+DS

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH2005

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

Sample ID: GW015-202
Duplicate ID: (if applicable) GW015-602
COC#: COC-015-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106016
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-17-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 1/20/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

IDW will be taken to: GWTS/Pending Disposal Area

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

IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

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

LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 465.52 ft MRP
Depth to Water (DTW): 464.37 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L102378
PID:	MiniRAE 3000	Serial No:	592-915770
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW016-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW016-602
Sampling Medium: Water
COC#: COC-016-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106016 Date: 4-17-2020

Purge Information and Field Parameter

Purge Start Time: 1249 Purge Rate: 0.930 L/min X 0.265 = 0.247 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 12.77 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	465.52	0.29	17.7	-------	7.43	321.4	7.75	152.1
1255	464.40	2.79	18.1	72.2	6.82	346.2	7.87	258.2
1300	464.39	2.68	18.0	71.1	6.71	346.1	7.92	249.5
1305	464.39	3.47	18.4	68.5	6.44	346.5	7.92	247.6
1310	464.39	32.0	18.5	44.6	4.18	359.4	7.36	40.1
1315	464.38	3.38	18.8	37.1	3.45	347.6	7.81	72.3
1320	464.38	2.88	18.9	33.3	3.09	347.2	7.86	88.5
1325	464.38	3.26	18.9	31.3	2.90	346.8	7.87	96.9
1330	464.38	3.30	18.9	30.8	2.86	346.3	7.88	103.5

Sample Time: 1333 Sample Date: 4-17-2020

Purge End Time: 1336

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	11.6
2	—
Total	11.6

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106017
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-21-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 515.61 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 485.61 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 510.61 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857 & 4838
IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 465.61 ft MRP
Depth to Water (DTW): 464.87 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH00005
Water Level Meter:	Solinst 500 ft	Serial No:	GT SN: 0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH00007

Sample Information

Sample ID: GW017-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW017-602
Sampling Medium: Water
COC#: COC-017-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-21-2020

Purge Information and Field Parameter

Purge Start Time: 1244 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: clear, no odor

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

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**465.61**	**1.2**	**18.2**	-------	**0.27**	**436.3**	**7.65**	**70.8**
1250	464.91	2.20	18.7	11.1	1.04	501.8	7.59	-4.1
1255	464.91	3.16	18.8	4.9	0.45	500.1	7.59	-24.8
1300	464.91	3.47	18.8	3.4	0.32	498.7	7.55	-37.4
1305	464.91	4.97	18.8	2.9	0.27	500.7	7.59	-50.7
1310	464.90	1.60	18.9	2.7	0.25	499.5	7.56	-56.3
1315	464.90	2.08	19.0	2.6	0.24	499.1	7.56	-60.4
1320	464.90	1.42	19.0	2.5	0.24	497.4	7.59	-64.8

Sample Time: 1322 Sample Date: 4-21-2020

Purge End Time: 1332

Bubbles in the vials?: [X] Yes [ ] No Where? EDB + BTEX Amount 1 Size 6mm ≥ 1mm

Sampled by: J. Messenger Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	10.2
2	—
Total	10.2

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments: *water highly aerated @ time of sampling

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106018
Project No: 62599DM01
Samplers: D. Schmeelk
Date: 5-8-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: Pending Analysis Yard

Well Depth: 508.96 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) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 459.43 ft MRP
Depth to Water (DTW): 458.37 **ft MRP**

Pump Information

Dedicated Pump

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

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

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104~~77~~ 594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Geotech ~~Solinst 500 ft~~	Serial No:	~~WH0017~~ 0001
Turbidity Meter:	Hach 2100Q	Serial No:	~~WH0009~~ WH0007

Sample Information

Sample ID: GW018-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW018-602
Sampling Medium: Water
COC#: COC-018-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-11-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106063 18

Date: 5-8-2020

Purge Information and Field Parameter

Purge Start Time: 1603 Purge Rate: 0.660 L/min X 0.265 = 0.1749 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 19.53 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:		**1.1**	**16.7**	-------	**1.94**	**417**	**7.31**	**156.3**
1605	458.37	5.92	20.4	9.6	0.85	~~563~~	7.50	97.9
1610	458.37	3.71	20.2	6.2	0.56	559	7.57	59.2
1615	458.37	3.52	20.0	6.3	0.56	558	~~8.~~ 7.57	44.1
1620	458.37	3.08	19.9	6.6	0.59	558	7.57	32.8

Sample Time: 1625 Sample Date: 5-8-2020

Purge End Time: ~~1430~~ 1630

6mm

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

Sampled by: D. Schneelk Sampler Signature:

IDW Management

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

IDW will be taken to: ~~Pending Analysis 90 Day Area~~

IDW Label: ~~Orange Hazardous~~ White, Pending Analysis

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-11-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106019
Project No: 62599DM01
Samplers: D. Schmeelk, P. Ferrari
Date: 4-23-2020
Crew Signature: D. Schmeelk, P. Ferrari

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: Pending Analysis Yard

Well Depth: 525.91 ft MRP
Top of Screen: 495.91 ft MRP
Bottom of Screen: 520.91 ft MRP
Reference Elevation Interval: 4857 & 4838
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 477.65 ft MRP
Depth to Water (DTW): 476.89 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

Non-Dedicated Pump Depth: 498.0 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	AS Geotech ~~Solinst 500 ft~~	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW019-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW019-602
Sampling Medium: Water
COC#: COC-019-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Purge Information and Field Parameter

Date: 4-23-2020

Purge Start Time: 1258 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 18.26 ft (based on previous water level)

	Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
	Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
	Historical Data:	**477.65**	**3.73**	**20.7**	-------	**0.56**	**209.7**	**7.43**	**109.6**
	1305	476.88	61.3	20.3	113.2	9.76	1302	7.29	121.0
	1310	476.89	74.7	20.5	51.0	4.44	1409	7.16	74.7
*	1315	476.89	86.0	20.5	33.7	3.02	1478	7.14	41.6
*	1320	476.89	73.7	20.4	28.8	2.58	1541	7.37	52.1
*	1325	476.89	72.5	20.6	31.9	2.88	1518	7.40	61.4
*	1330	476.~~88~~90	64.0	20.5	39.6	3.55	1539	7.37	63.3
*	1335	476.88	60.3	20.0	46.0	4.27	1726	7.36	63.6
*	1340	476.88	55.2	20.2	47.3	4.26	1730	7.41	64.5
*	1345	476.88	47.2 *	20.0	52.7	4.75	1829	7.41	67.8
	1350	476.88	44.5	20.0	55.2	5.09	1800	7.43	68.4
	1355	476.88	41.6	20.3	62.0	5.56	1771	7.44	72.4
	1400	476.87	37.6	20.2	68.3	6.11	1925	7.45	74.3
	1405	476.88	36.6	19.8	57.4	5.27	1895	7.45	77.8

Sample Time: 1407 Sample Date: 4-23-2020

Purge End Time: 1412 6mm

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

Sampled by: D. Schweelk Sampler Signature:

IDW Management

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

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments: *Yellowish tint

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106020
Project No: 62599DM01
Samplers: P. Ferrari, G. Begaye
Date: 04-28-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: X
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: Pending Analysis Yard

Well Depth: 512.00 ft MRP
Top of Screen: 482.00 ft MRP
Bottom of Screen: 507.00 ft MRP
Reference Elevation Interval: 4857
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 463.81 ft MRP
Depth to Water (DTW): 462.83 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

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	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW020-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW020-602
Sampling Medium: Water
COC#: COC-020-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 04-28-2020

Purge Information and Field Parameter

Purge Start Time: 0920 Purge Rate: 0.600 L/min X 0.265 = 0.159 gal/min

Description of first water purged: light yellow, no odor

Drawdown Limit: 18.19 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**463.81**	**7.08**	**20.4**	-------	**2.69**	**517**	**7.59**	**190.1**
0925	462.83	192	19.2	33.0	3.02	573	7.70	365.1
0930	462.83	182	19.1	31.7	2.97	573	7.74	354.0
0935	462.83	162	19.1	33.3	3.10	575	7.76	349.4
0940	462.83	164	19.1	36.5	3.36	577	7.76	337.0
0945	462.82	150	19.1	38.6	3.57	579	7.77	329.4
0950	462.83	148	19.1	42.8	3.95	578	7.77	322.5
0955	462.83	148	19.1	47.1	4.37	580	7.78	313.8
~~09~~ 1000	462.83	139	19.1	50.4	4.66	580	7.86	306.3
1005	462.83	127	19.1	52.3	4.82	580	7.83	301.0
1010	462.83	111	19.2	51.5	4.74	581	7.78	294.9
1015	462.83	110	19.4	52.8	4.85	582	7.76	287.5
1020	462.82	116	19.3	57.4	5.28	583	7.79	280.3
1025	462.82	118	19.3	60.3	5.51	583	7.82	271.8

Sample Time: 1027 Sample Date: 04-28-2020

Purge End Time: 1033

6mm

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

Sampled by: Galveston Begaye Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	11.6
2	
Total	

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments: did not stabilize DO - sampled according to Work Plan

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

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Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW021-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 436.96 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -21.04

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

Deployment Team: G. Begaye, R. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 1005

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 436.96

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW021-202

Date Sampled: 04-06-2020 **Time Sampled:** 1525 **Sampling Team:** G. Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW021-202
Duplicate ID: (if applicable) GW021-602
COC#: COC-021-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW022-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 440.79 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -21.21

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

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 0855

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 440.79

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

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

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW022-202

Date Sampled: 4-6-2020 **Time Sampled:** 1351 **Sampling Team:** JM + DS

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

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)

Choose only one

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

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW022-202
Duplicate ID: (if applicable) GW022-602
COC#: COC-022-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW023-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 451.51 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -21.52

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

Deployment Team: NP, DS

Date Deployed: 3-20-2020 Time Deployed: 1025

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? NP
Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

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

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW023-202

Well Location ID: KAFB-106023 *Sampling*

Date Sampled: 4-10-2020 Time Sampled: 1026 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W HOOO6

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

Sample ID: GW023-202
Duplicate ID: (if applicable) GW023-602
COC#: COC-023-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106024
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 511.00 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 481.00 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 506.00 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 466.65 ft MRP
Depth to Water (DTW): 465.55 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus Serial No: 18L100378
PID: MiniRAE 3000 Serial No: WH0005
Water Level Meter: Solinst 500 ft Serial No: WH0012
Turbidity Meter: Hach 2100Q Serial No: WH0007

Sample Information

Sample ID: GW024-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW024-602
Sampling Medium: Water
COC#: COC-024-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Page 1 of 2

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Purge Information and Field Parameter Date: 4-20-2020

Purge Start Time: 1030 Purge Rate: 0.530 L/min X 0.265 = 0.141 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 14.35 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**466.65**	**1.05**	**19.5**	-------	**0.55**	**665**	**7.1**	**74.7**
1035	465.57	2.78	20.5	58.5	5.27	476.7	7.53	348.4
1040	465.58	7.97	20.1	12.0	1.09	427.6	7.48	317.7
1045	465.58	3.18	20.1	9.3	0.84	426.9	7.56	316.4
1050	465.58	2.56	20.1	8.0	0.72	426.6	7.57	313.1
1055	465.58	2.12	20.0	7.1	0.65	426.0	7.57	310.1
1100	465.57	0.80	20.0	6.5	0.59	427.9	7.57	307.4
1105	465.58	2.19	20.0	6.3	0.57	427.4	7.56	305.0
1110	465.58	9.44	20.1	6.1	0.56	428.1	7.57	301.7

Sample Time: 1111 Sample Date: 4-20-2020

Purge End Time: 1116 6mm

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

Sampled by: J. Messenger Sampler Signature: J. Messenger

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.5
2	—
Total	6.5

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020 Page 2 of 2

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106025 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW025-202

Well Information

Screen Interval Length (ft): 25

Previous Depth to Water (MRP): 439.56 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): -25.44

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

Deployment Team: NP, DS

Date Deployed: 3-18-2020 **Time Deployed:** 0910

PID: MiniRAE 3000 **Serial No:** Wh0004

Water Level Meter: Solinst 500 ft **Serial No:**

PID Reading: 0.2 ppm

Depth to Water:

DMS Tether and Reel ID match Well ID? NP

Initial to confirm that ID check was completed

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

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

Notes:

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW025-202

Well Location ID: KAFB-106025 *Sampling*

Date Sampled: 4-8-2020 Time Sampled: 0951 Sampling Team: DS + JM

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: 417000 5

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

Sample ID: GW025-202
Duplicate ID: (if applicable) GW025-602
COC#: COC-025-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW026-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 444.66 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -21.34

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

Deployment Team: NP, DS

Date Deployed: 3-28-2020 Time Deployed: 0855

PID: MiniRAE 3000 Serial No: W10004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

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

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106026 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW026-202

Date Sampled: 4-10-2020 Time Sampled: 0755 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 594000S

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

Notes:

Sample ID: GW026-202
Duplicate ID: (if applicable) GW026-602
COC#: COC-026-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106027
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 509.16 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 484.16 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 504.16 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 471.81 ft MRP
Depth to Water (DTW): 470.72 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: N/A – dedicated pump present

Non-Dedicated Pump Depth: N/A ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH007

Sample Information

Sample ID: GW027-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW027-602
Sampling Medium: Water
COC#: COC-027-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Purge Information and Field Parameter

Date: 4-20-2020

Purge Start Time: 0810 Purge Rate: 0.530 L/min X 0.265 = 0.141 gal/min

Description of first water purged: clear, no odor

Drawdown Limit: 12.35 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.81**	**1.34**	**18.6**	-------	**3.47**	**332**	**7.77**	**182.7**
0815	470.73	3.09	17.3	71.4	6.85	441.8	7.67	361.1
0820	470.72	1.22	17.6	48.8	4.65	415.4	7.78	355.1
0825	470.72	2.03	17.8	44.0	4.18	389.5	7.83	352.4
0830	470.72	0.90	18.0	41.6	3.93	386.2	7.85	350.2
0835	470.72	3.38	18.1	41.1	3.88	385.9	7.84	348.4

Sample Time: 0836 Sample Date: 4-20-2020

Purge End Time: 0840 6mm

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	4.2
2	—
Total	4.2

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Page 2 of 2

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106028 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW028-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 471.68 **(Gauged on 1/22/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -14.32

Well Depth: 516.00 ft MRP
Top of Screen: 486.00 ft MRP
Bottom of Screen: 511.00 ft MRP

Deployment Team: G-Begaye, J-Livingston

Date Deployed: 03-20-2020 **Time Deployed:** 1314

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Solinst 500 ft **Serial No:** 253056

PID Reading: 0.0 ppm

Depth to Water: 471.68

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	486.70
2	489.30
3	491.90
4	494.50
5	497.10
6	499.70
7	502.30
8	504.90
9	507.50

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106028 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW028-202

Date Sampled: 04-10-2020 Time Sampled: 0810 Sampling Team: G. Begaye, J. Livingston

PID Reading: 0.9 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

Duplicate sample required.

PID: MiniRAE 3000 Serial No: W10004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GW028-202
Duplicate ID: (if applicable) GW028-602
COC#: COC-028-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW029-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 433.10 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -17.70

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

Deployment Team: G. Begaye, R. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 1125

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 433.10

DMS Tether and Reel ID match Well ID? GB
Initial to confirm that ID check was completed

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

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

Notes:

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Suttin Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106029 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW029-202

Date Sampled: 04-06-2020 Time Sampled: 1410 Sampling Team: G-Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Sample ID: GW029-202
Duplicate ID: (if applicable) GW029-602
COC#: COC-029-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW030-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 433.20 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -36.30

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

Deployment Team: G-Begaye, P. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 1040

PID: MiniRAE 3000 Serial No: WA0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 433.20

DMS Tether and Reel ID match Well ID? [signature]

Initial to confirm that ID check was completed

Notes:

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

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

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106030 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW030-202

Date Sampled: 04-06-2020 Time Sampled: 1335 Sampling Team: G. Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW030-202
Duplicate ID: (if applicable) GW030-602
COC#: COC-030-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW031-202

Well Information

Screen Interval Length (ft): 14
Previous Depth to Water (MRP): 433.24 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -62.56

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

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 1110

PID: MiniRAE 3000 Serial No: W1f0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 433.24

DMS Tether and Reel ID match Well ID? AB

Initial to confirm that ID check was completed

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

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

Notes:

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106031 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW031-202

Date Sampled: 04-06-2020 Time Sampled: 1305 Sampling Team: G. Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: W70004

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

Sample ID: GW031-202
Duplicate ID: (if applicable) GW031-602
COC#: COC-031-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW032-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 439.88 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -16.12

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

Deployment Team: G. Begaye, R. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 0810

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 439.88

DMS Tether and Reel ID match Well ID? JB

Initial to confirm that ID check was completed

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

MS/MSD required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

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

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106032 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW032-202

Date Sampled: 04-08-2020 Time Sampled: 0830 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

MS/MSD required.

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW032-202
Duplicate ID: (if applicable) GW032-602
COC#: COC-032-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW033-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 440.03 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -36.97

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

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 0856

PID: MiniRAE 3000 Serial No: Wh0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 440.03

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

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

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

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106033 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW033-202

Date Sampled: 04-08-2020 Time Sampled: 0905 Sampling Team: G. Beguyn, P. Ferrari

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 401004

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

Notes:

Sample ID: GW033-202
Duplicate ID: (if applicable) GW033-602
COC#: COC-033-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106034 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW034-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 440.88 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -61.12

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

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 0835

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 440.88

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Aimancia Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106034 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW034-202

Date Sampled: 04-08-2020 Time Sampled: 0925 Sampling Team: G. Begaye, P. Ferrari

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Sample ID: GW034-202
Duplicate ID: (if applicable) GW034-602
COC#: COC-034-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW035-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 444.77 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -7.36

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

Deployment Team: G-Begaye, R. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 1135

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 444.77

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

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

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW035-202

Well Location ID: KAFB-106035 *Sampling*

Date Sampled: 04-08-2020 Time Sampled: 1300 Sampling Team: G. Begaye, P. Ferrari

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W10004

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

Notes:

Sample ID: GW035-202
Duplicate ID: (if applicable) GW035-602
COC#: COC-035-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW036-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 445.22 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -36.66

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

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 1150

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 445.22

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

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

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW036-202

Well Location ID: KAFB-106036 *Sampling*

Date Sampled: 04-08-2020 Time Sampled: 1235 Sampling Team: G-Begaye, P. Ferrari

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Sample ID: GW036-202
Duplicate ID: (if applicable) GW036-602
COC#: COC-036-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW037-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 445.87 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -61.18

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

Deployment Team: G-Beguye, P. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 1212

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 445.87

DMS Tether and Reel ID match Well ID? QB

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
Duplicate sample required. Please deploy extra DMS as needed	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

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

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106037 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW037-202

Date Sampled: 04-08-2020 Time Sampled: 1200 Sampling Team: G. Begaye, B. Serrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0004

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

Sample ID: GW037-202
Duplicate ID: (if applicable) GW037-602
COC#: COC-037-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106038
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-22-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 516.26 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 481.26 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 511.26 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4857
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 474.52 ft MRP
Depth to Water (DTW): 473.89 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-699

Non-Dedicated Pump Depth: 483.26 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH00005
Water Level Meter:	Solinst 500 ft	Serial No:	GT SN: 0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH00007

Sample Information

Sample ID: GW038-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW038-602
Sampling Medium: Water
COC#: COC-038-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-22-2020

Purge Information and Field Parameter

Purge Start Time: 1125 Purge Rate: 0.840 L/min X 0.265 = 0.223 gal/min

Description of first water purged: clear, no odor

Drawdown Limit: 6.74 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**474.52**	**2.79**	**19.6**	-------	**5.92**	**498.4**	**7.65**	**154.1**
1130	473.86	8.81	19.8	122.5	11.16	2.4	5.27	226.7
1135	473.86	2.04	19.8	45.9	4.18	825	7.64	281.8
1140	473.86	2.72	19.7	44.2	4.03	824	7.67	283.5
1145	473.86	2.46	19.7	44.7	4.07	823	7.68	286.0

Sample Time: 1147 Sample Date: 4-22-2020

Purge End Time: 1200 6mm

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	7.8
2	—
Total	7.8

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106039
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-22-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 531.43 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 511.43 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 526.43 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 474.3 ft MRP
Depth to Water (DTW): 473.60 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 513.43 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH00005
Water Level Meter:	Solinst 500 ft	Serial No:	GT SN: 0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH00007

Sample Information

Sample ID: GW039-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW039-602
Sampling Medium: Water
COC#: COC-039-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-22-2020

Purge Information and Field Parameter

Purge Start Time: 1310 Purge Rate: 0.520 L/min X 0.265 = 0.138 gal/min

Description of first water purged: clear, no odor

Drawdown Limit: 37.13 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**474.3**	**0.83**	**18.3**	-------	**3.13**	**681**	**7.48**	**140.4**
1315	473.58	*	22.0	81.6	7.15	3.0	5.85	276.2
1320	473.59	132	21.6	63.8	5.61	664	7.53	328.1
1325	473.59	66.2	21.5	42.0	3.70	685	7.67	319.0
1330	473.60	49.8	21.4	39.5	3.48	686	7.70	309.7
1335	473.59	38.0	20.9	40.4	3.60	687	7.71	304.3
1340	473.59	29.6	21.2	43.2	3.82	691	7.70	297.8
1345	473.59	30.9	21.4	46.2	4.08	690	7.72	289.7
1350	473.59	20.3	21.7	46.6	4.09	692	7.74	279.6
1355	473.58	19.9	22.1	49.7	4.33	692	7.74	267.8
1400	473.57	18.4	22.0	55.2	4.82	692	7.74	257.1
1405	473.58	15.8	22.0	53.4	4.66	690	7.73	247.8
1410	473.57	14.7	21.9	54.8	4.80	691	7.74	240.8
1415	473.57	10.7	20.9	58.5	5.25	689	7.72	244.1

Sample Time: 1418 Sample Date: 4-22-2020

Purge End Time: 1422

6mm

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

Sampled by: J. Messenger Sampler Signature: John Messenger

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	9.9
2	—
Total	9.9

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: * Turbidity meter batteries died – replaced batteries (not recorded @ 1315)

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

did not stabilize Turbidity + DO – sampled according to Work Plan

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106040
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-23-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 1/21/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Protective Casing

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) Damaged
Well Locked/Security Bolt Present: (Yes) No
Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 473.2 ft MRP
Depth to Water (DTW): 472.52 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18078-752

Non-Dedicated Pump Depth: 535.61 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH00005
Water Level Meter:	Solinst 500 ft	Serial No:	WH00012
Turbidity Meter:	Hach 2100Q	Serial No:	WH00007

Sample Information

Sample ID: GW040-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW040-602
Sampling Medium: Water
COC#: COC-040-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-23-2020

Purge Information and Field Parameter

Purge Start Time: 0908 Purge Rate: 0.880 L/min X 0.265 = 0.233 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 60.41 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**473.2**	**0.64**	**18.8**	-------	**4.74**	**508**	**7.72**	**97.9**
0915	472.53	4.78	19.4	75.3	6.91	425.9	7.60	370.3
0920	472.53	3.68	19.9	53.1	4.83	452.3	7.66	359.4
0925	472.53	2.47	20.1	49.3	4.46	452.2	7.69	351.3
0930	472.53	5.12	20.3	49.5	4.47	453.9	7.69	345.2

Sample Time: 0932 Sample Date: 4-23-2020

Purge End Time: 0935

6mm

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

Sampled by: J. Messenger Sampler Signature: J. Messenger

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.3
2	—
Total	6.3

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Page 2 of 2

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW041-202

Well Information

Screen Interval Length (ft): 20

Previous Depth to Water (MRP): 446.85 **(Gauged on 1/20/2020)** **LNAPL NOT detected during prior gauging**

Length of Screen not submerged (ft): -2.15 **** *(Water level <5ft above top of screen or screen not submerged)*

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

Deployment Team: NP, DS

Date Deployed: 3-18-2020 **Time Deployed:** 1134

PID: MiniRAE 3000 **Serial No:** W10004

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

PID Reading: 0.0 ppm

Depth to Water: 445.77

Measure Water Level

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith **Review Date:** 4/27/2020

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

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106041 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW041-202

Date Sampled: 4-9-2020 Time Sampled: 1241 Sampling Team: J. Messenger, D. Schmeelk

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: 414000 5

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

Notes:

Sample ID: GW041-202
Duplicate ID: (if applicable) GW041-602
COC#: COC-041-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW042-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 446.61 **(Gauged on 1/20/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -22.39

Well Depth: 488.50 ft MRP
Top of Screen: 469.00 ft MRP
Bottom of Screen: 483.50 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 **Time Deployed:** 1150

PID: MiniRAE 3000 **Serial No:** Wh0004

Water Level Meter: Solinst 500 ft **Serial No:** —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith **Review Date:** 4/27/2020

Sampler Number: V	Top of Sampler Depth (MRP)
1	469.70
2	472.30
3	474.90
4	477.50
5	480.10

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106042 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW042-202

Date Sampled: 4-9-2020 Time Sampled: 1301 Sampling Team: J. Messenger, D. Schmeelk

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW042-202
Duplicate ID: (if applicable) GW042-602
COC#: COC-042-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

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

Year: 2020
Quarter: 2
Sample ID: GW043-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 446.84 **(Gauged on 1/20/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -96.16

Well Depth: 562.50 ft MRP
Top of Screen: 543.00 ft MRP
Bottom of Screen: 557.50 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 **Time Deployed:** 1110

PID: MiniRAE 3000 **Serial No:** WH0004

Water Level Meter: Solinst 500 ft **Serial No:** —

PID Reading: 0.0 ppm

Depth to Water: ———

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	543.70
2	546.30
3	548.90
4	551.50
5	554.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106043 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW043-202

Date Sampled: 4-9-2020 Time Sampled: 1220 Sampling Team: J. Messenger, D. Schmeelk

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW043-202
Duplicate ID: (if applicable) GW043-602
COC#: COC-043-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106044
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Well Depth: 527.04 ft MRP
Top of Screen: 507.34 ft MRP
Bottom of Screen: 522.34 ft MRP
Reference Elevation Interval: 4838

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 471.96 ft MRP
Depth to Water (DTW): 470.87 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100 378
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH007

Sample Information

Sample ID: GW044-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW044-602
Sampling Medium: Water
COC#: COC-044-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-20-2020

Purge Information and Field Parameter

Purge Start Time: 0910 Purge Rate: 0.660 L/min X 0.265 = 0.175 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 35.38 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.96**	**0.5**	**18.4**	-------	**6.29**	**315.3**	**7.62**	**151.2**
0915	470.89	0.37	17.4	72.9	6.99	378.4	7.78	335.1
0920	470.89	0.46	17.4	71.0	6.79	377.8	7.68	335.9
0925	470.89	0.53	17.6	68.1	6.49	377.6	7.58	336.8
0930	470.89	1.03	17.7	63.3	6.02	377.4	7.56	337.0
0935	470.89	1.73	17.8	41.2	3.91	374.1	7.67	335.9
0940	470.89	1.38	17.9	34.5	3.26	367.2	7.80	333.8
0945	470.89	0.78	18.0	33.4	3.16	365.1	7.85	332.2
0950	470.90	0.52	18.1	32.9	3.11	365.1	7.85	331.1

Sample Time: 0950 Sample Date: 4-20-2020

Purge End Time: 0955

6mm

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

Sampled by: J. Messenger Sampler Signature: John Messenger

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	7.9
2	—
Total	7.9

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106045
Project No: 62599DM01
Samplers: J. Messenger
Date: 4-24-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 551.42 ft MRP
Top of Screen: 531.72 ft MRP
Bottom of Screen: 546.72 ft MRP
Reference Elevation Interval: 4814
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 471.65 ft MRP
Depth to Water (DTW): 470.60 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18078-752

Non-Dedicated Pump Depth: 533.72 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100374
PID:	MiniRAE 3000	Serial No:	WH00005
Water Level Meter:	Solinst 500 ft	Serial No:	WH00012
Turbidity Meter:	Hach 2100Q	Serial No:	WH00007

Sample Information

Sample ID: GW045-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW045-602
Sampling Medium: Water
COC#: COC-045-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-24-2020

Purge Information and Field Parameter

Purge Start Time: 0816 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 60.07 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.65**	**0.15**	**16.7**	-------	**3.16**	**467.7**	**7.88**	**147.6**
0825	470.57	0.44	18.1	48.0	4.53	296.6	7.72	367.0
0830	470.57	0.40	18.4	32.1	3.00	345.4	7.85	360.6
0835	470.56	0.59	18.6	29.6	2.76	352.4	7.87	355.7
0840	470.56	0.97	18.8	30.1	2.80	353.2	7.89	352.1
0845	470.56	0.47	18.9	30.7	2.85	354.0	7.91	348.7

Sample Time: 0847 Sample Date: 4-24-2020

Purge End Time: 0850

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.84 gal
2	3 gal decon
Total	10

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2026

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106046
Project No: 62599DM01
Samplers: D. Schmeelk, P. Ferrari
Date: 4-22-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 1/20/2020 (previous gauging date)

Barricade/Notification: [X]

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 515.00 ft MRP
Top of Screen: 490.00 ft MRP
Bottom of Screen: 510.00 ft MRP
Reference Elevation Interval: 4857

IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 475.63 ft MRP
Depth to Water (DTW): 474.86 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW046-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW046-602
Sampling Medium: Water
COC#: COC-046-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Purge Information and Field Parameter

Date: 4-22-2020

Purge Start Time: 1338 Purge Rate: 0.780 L/min X 0.265 = 0.2067 gal/min

Description of first water purged: Clear & Odorless

Drawdown Limit: 14.37 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**475.63**	**0.54**	**19.1**	-------	**6.09**	**390.5**	**7.76**	**161.4**
1345	474.87	0.24	19.2	67.0	6.00	432.7	7.55	211.2
1350	474.87	0.22	19.4	55.0	5.01	433.8	7.59	208.1
1355	474.87	0.87	19.3	53.7	4.86	441.1	7.77	206.1
1400	474.87	0.31	19.6	48.3	4.44	436.6	7.79	203.2
1405	474.87	0.50	19.7	48.6	4.46	432.7	7.8	202.2

Sample Time: 1410 Sample Date: 4-22-2020

Purge End Time: 1413 6mm

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

Sampled by: D. Schmeelk Sampler Signature: _____

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~7
2	—
Total	~7

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: _____

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106047
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-17-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: [X]
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Well Depth: 532.00 ft MRP
Top of Screen: 512.00 ft MRP
Bottom of Screen: 527.00 ft MRP
Reference Elevation Interval: 4838

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 476.14 ft MRP
Depth to Water (DTW): 475.10 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	592-915790
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	15100C045025

Sample Information

Sample ID: GW047-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW047-602
Sampling Medium: Water
COC#: COC-047-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

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

Date: 4-17-2020

Purge Information and Field Parameter

Purge Start Time: 0855 Purge Rate: 0.600 L/min X 0.265 = 0.159 gal/min

Description of first water purged: clear + no odor

Drawdown Limit: 35.86 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**476.14**	**0.88**	**19.1**	-------	**6.66**	**376.3**	**7.48**	**163.8**
0900	475.13	0.70	18.9	73.9	6.87	384.0	7.04	322.0
0905	475.14	0.71	18.6	66.2	6.19	385.9	7.27	320.7
0910	475.14	0.73	18.5	64.6	6.05	386.6	7.27	323.1
0915	475.14	3.40	18.5	62.1	5.81	386.8	7.27	324.3
~~0920~~ JM								

Sample Time: 0917 Sample Date: 4-17-2020

Purge End Time: 0922 6mm

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

Sampled by: J. Messenger Sampler Signature: J. Messenger

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	4.3
2	—
Total	4.3

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106048
Project No: 62599DM01
Samplers: D. Schmeltz, J. Livingston
Date: 4/29/2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 555.50 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 535.50 ft MRP
Barricade/Notification: X
Bottom of Screen: 550.50 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 475.88 ft MRP
Depth to Water (DTW): 475.00 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-~~952~~* 752

Non-Dedicated Pump Depth: 537.5 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW048-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW048-602
Sampling Medium: Water
COC#: COC-048-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106048

Date: 4/29/2020

Purge Information and Field Parameter

Purge Start Time: 0844 Purge Rate: 0.880 L/min X 0.265 = 0.233 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 59.62 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**475.88**	**3.17**	**21**	-------	**5.3**	**350.3**	**7.81**	**158.5**
0850	475.01	0.50	18.8	66.9	6.13	6.4	4.53	223.0
0855	475.01	1.55	18.9	62.3	5.78	367.4	7.74	181.0
JL ~~0850~~ 0900	475.02	1.63	19.1	59.2	5.49	366.2	7.78	173.2
0905	475.00	1.88	19.4	58.5	5.39	362.2	7.78	166.0

Sample Time: 0911 Sample Date: 4/29/2020

Purge End Time: 0913

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

Sampled by: D. Schwerk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14.25
2	—
Total	14.25

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106049 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW049-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 438.08 **(Gauged on 1/21/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -18.72

Well Depth: 480.70 ft MRP
Top of Screen: 456.80 ft MRP
Bottom of Screen: 476.80 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 **Time Deployed:** 1254

PID: MiniRAE 3000 **Serial No:** Wh0004

Water Level Meter: Solinst 500 ft **Serial No:** —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? NP
Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith **Review Date:** 4/27/2020

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	457.50
2	460.10
3	462.70
4	465.30
5	467.90
6	470.50
7	473.10

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106049 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW049-202

Date Sampled: 4-9-2020 Time Sampled: 1046 Sampling Team: J. Messenger, D. Schweelk

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW049-202
Duplicate ID: (if applicable) GW049-602
COC#: COC-049-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106050 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW050-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 437.50 **(Gauged on 1/21/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -36.90

Well Depth: 494.80 ft MRP
Top of Screen: 474.40 ft MRP
Bottom of Screen: 489.40 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 **Time Deployed:** 1333

PID: MiniRAE 3000 **Serial No:** Wh0004

Water Level Meter: Solinst 500 ft **Serial No:** —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? NP
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	475.10
2	477.70
3	480.30
4	482.90
5	485.50

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW050-202

Well Location ID: KAFB-106050 *Sampling*

Date Sampled: 4-9-2020 Time Sampled: 1131 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 410005

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

Notes:

Sample ID: GW050-202
Duplicate ID: (if applicable) GW050-602
COC#: COC-050-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106051 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW051-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 437.80 **(Gauged on 1/21/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -63.00

Well Depth: 521.20 ft MRP
Top of Screen: 500.80 ft MRP
Bottom of Screen: 515.80 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 **Time Deployed:** 1312

PID: MiniRAE 3000 **Serial No:** Wh 00004

Water Level Meter: Solinst 500 ft **Serial No:** —

PID Reading: 0.0 ppm

Depth to Water: ———

DMS Tether and Reel ID match Well ID? NP
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	501.50
2	504.10
3	506.70
4	509.30
5	511.90

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW051-202

Well Location ID: KAFB-106051 *Sampling*

Date Sampled: 4-9-2020 Time Sampled: 1109 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 417005

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

Sample ID: GW051-202
Duplicate ID: (if applicable) GW051-602
COC#: COC-051-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106052 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW052-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 441.15 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -8.45

Well Depth: 484.80 ft MRP
Top of Screen: 449.60 ft MRP
Bottom of Screen: 479.60 ft MRP

Deployment Team: DS & NP

Date Deployed: 3-17-2020 Time Deployed: 1020

PID: MiniRAE 3000 Serial No: W400006

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	450.30
2	452.90
3	455.50
4	458.10
5	460.70
6	463.30
7	465.90
8	468.50
9	471.10
10	473.70

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106052 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW052-202

Date Sampled: 4-8-2020 **Time Sampled:** 0821 **Sampling Team:** DS + JM

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

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)

Choose only one

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

PID: MiniRAE 3000 Serial No: W40005

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

Notes:

Sample ID: GW052-202
Duplicate ID: (if applicable) GW052-602
COC#: COC-052-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106053 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW053-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 441.06 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -37.34

Well Depth: 498.40 ft MRP
Top of Screen: 478.40 ft MRP
Bottom of Screen: 493.40 ft MRP

Deployment Team: DS & NP

Date Deployed: 3-17-2020 Time Deployed: 1050

PID: MiniRAE 3000 Serial No: WH0006

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

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	479.10
2	481.70
3	484.30
4	486.90
5	489.50

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW053-202

Well Location ID: KAFB-106053 *Sampling*

Date Sampled: 4-8-2020 Time Sampled: 0846 Sampling Team: DS + JM

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: WH00005

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

Notes:

Sample ID: GW053-202
Duplicate ID: (if applicable) GW053-602
COC#: COC-053-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106054 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW054-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 440.66 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -63.34

Well Depth: 524.00 ft MRP
Top of Screen: 504.00 ft MRP
Bottom of Screen: 519.00 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 Time Deployed: 1120

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	504.70
2	507.30
3	509.90
4	512.50
5	515.10

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW054-202

Well Location ID: KAFB-106054 *Sampling*

Date Sampled: 4-8-2020 Time Sampled: 0911 Sampling Team: DS + JM

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: 247000 5

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

Sample ID: GW054-202
Duplicate ID: (if applicable) GW054-602
COC#: COC-054-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106055 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW055-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 447.53 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -18.27

Well Depth: 490.30 ft MRP
Top of Screen: 465.80 ft MRP
Bottom of Screen: 485.80 ft MRP

Deployment Team: G. Bergren J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 1137

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 447.53

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	466.50
2	469.10
~~3~~ JRL	471.70
4	474.30
5	476.90
6	479.50
7	482.10

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

Partially torn tether on 3rd ring from top. DO NOT DEPLOY on this ring; no dups or MS/MSDs. Use rings 1, 2, and 4.

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106055 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW055-202

Date Sampled: 4-7-2020 Time Sampled: 1146 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 401205

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

Notes:

Sample ID: GW055-202
Duplicate ID: (if applicable) GW055-602
COC#: COC-055-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106057 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW057-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 447.89 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -37.01

Well Depth: 505.30 ft MRP
Top of Screen: 484.90 ft MRP
Bottom of Screen: 499.90 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 1112

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 447.89

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	485.60
2	488.20
3	490.80
4	493.40
5	496.00

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106057 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW057-202

Date Sampled: 4-7-2020 Time Sampled: 1211 Sampling Team: JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

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

6mm

PID: MiniRAE 3000 Serial No: 401085

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

Notes:

Sample ID: GW057-202
Duplicate ID: (if applicable) GW057-602
COC#: COC-057-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106058 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW058-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 448.44 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -63.36

Well Depth: 530.30 ft MRP
Top of Screen: 511.80 ft MRP
Bottom of Screen: 526.80 ft MRP

Deployment Team: J. Livingston, D. Schmeltz

Date Deployed: 3/19/2020 Time Deployed: 1119

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	512.50
2	515.10
3	517.70
4	520.30
5	522.90

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106058 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW058-202

Date Sampled: 4-9-2020 Time Sampled: 0841 Sampling Team: DS + JM

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

Type of Analysis (circle appropriate)

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

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: 410005

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

Notes: Vault flange stripped – requires re-tapping

Sample ID: GW058-202
Duplicate ID: (if applicable) GW058-602
COC#: COC-058-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106059
Project No: 62599DM01
Samplers: J. Messenger D. Schmeck
Date: 5-6-2020
Crew Signature:

Well Information

Well was previously HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: 90 Day Area

Well Depth: 511.46 ft MRP
Top of Screen: 486.46 ft MRP
Bottom of Screen: 506.46 ft MRP
Reference Elevation Interval: 4857
IDW Label: Orange Hazardous

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

Photoionization Measurements at Wellhead: 1.7 ppm

LNAPL Present (circle one)? (Yes) No
LNAPL Thickness: 0.01 ft
LNAPL observed during last gauging event: 1/20/2020

Previous Depth to water: 471.1 ft MRP
Depth to Water (DTW): 469.95 **ft MRP**
(469.94 to LNAPL)

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-902

Non-Dedicated Pump Depth: 488.46 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C1041594
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	~~WH0012~~ 253056
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW059-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW059-602
Sampling Medium: Water
COC#: COC-059-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106059

Date: 5-6-2020

Purge Information and Field Parameter

Purge Start Time: 1228 Purge Rate: 0.780 L/min X 0.265 = 0.2067 gal/min

Description of first water purged: clear; hydrocarbon/hydrogen sulfur smell; moderately aerated

Drawdown Limit: 15.36 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.1**	**1.66**	**20.2**	-------	**0.58**	**1016**	**7.24**	**-134.8**
1235	469.98	14.1*	21.0	9.3	0.80	571	6.91	-169.4
1240	469.98	10.1	20.7	3.7	0.33	565	6.90	-187.0
1245	469.97	8.26	20.6	2.5	0.23	560	6.89	-202.6
1250	JM ~~469~~ 469.97	9.17	20.5	2.3	0.21	560	6.92	-213.5
1255	469.97	8.13	20.4	2.0	0.18	550	6.94	-221.9
1300	469.96	8.86	20.3	1.8	0.17	JM ~~545~~ 557	6.95	-227.6
1305	469.96	8.89	20.5	1.4	0.13	579	6.94	-232.2
1310	469.95	~~9.78~~ 8.96 JM	20.5	1.6	0.14	568	6.96	-236.8
1315	469.95	10.4	20.3	1.5	0.14	567	6.94	-238.2
1320	469.95	12.5	20.2	1.5	0.14	567	6.96	-241.3
1325	469.95	7.29	20.4	1.4	0.13	567	6.97	-246.3
1330	469.95	7.93	20.3	1.4	0.13	571	6.97	-250.6
1335	469.94	7.33	20.4	JM ~~1.3~~ 1.4	0.13	566	6.96	-256.6

Sample Time: 1340 Sample Date: 5-6-2020

Purge End Time: 1347

Bubbles in the vials?: [X] Yes [ ] No Where? EDB+BTEX Amount 1 each Size ≈1mm 6mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	16.5
2	5 (clean) + 2.5 (soil)
Total	24

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106060
Project No: 62599DM01
Samplers: J. Messenger G Begaye
Date: 4-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 1/20/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: Pending Analysis Yard

Well Depth: 523.00 ft MRP
Top of Screen: 503.00 ft MRP
Bottom of Screen: 518.00 ft MRP
Reference Elevation Interval: 4838

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 468.54 ft MRP
Depth to Water (DTW): 467.45 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100 378
PID:	MiniRAE 3000	Serial No:	WH00805
Water Level Meter:	Solinst 500 ft	Serial No:	WH00012
Turbidity Meter:	Hach 2100Q	Serial No:	WH02007

Sample Information

Sample ID: GW060-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW060-602
Sampling Medium: Water
COC#: COC-060-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106060

Date: 4-20-2020

Purge Information and Field Parameter

Purge Start Time: 1155 Purge Rate: 0.820 L/min X 0.265 = 0.217 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 34.46 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**468.54**	**0.2**	**18.8**	-------	**6.68**	**396.8**	**7.33**	**149.1**
1200	467.47	0.57	18.6	69.5	6.49	780	7.72	296.6
1205	467.47	0.59	18.5	67.3	6.30	795	7.71	296.4
1210	467.46	0.90	18.5	~~65.2~~ 64.6 JM	6.04	795	7.68	296.4
1215	467.46	0.42	18.6	63.3	5.90	792	7.68	295.5

Sample Time: 1216 Sample Date: 4-20-2020

Purge End Time: 1221 6mm

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	5.6
2	—
Total	5.6

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106061
Project No: 62599DM01
Samplers: D. Schuyler
Date: 4-27-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 593.20 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 573.20 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 588.20 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 468.52 ft MRP
Depth to Water (DTW): 467.40 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: ~~Not Applicable - Dedicated pump present~~ JM 1807B-752

Non-Dedicated Pump Depth: ~~NA~~ JM 575 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW061-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW061-602
Sampling Medium: Water
COC#: COC-061-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106061

Date: 4-27-2020

Purge Information and Field Parameter

Purge Start Time: 1221 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 104.68 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**468.52**	**1.55**	**18.7**	-------	**6.86**	**320.1**	**7.38**	**149.1**
1230	467.40	7.90	23.8	7.9.1	6.68	350.6	7.37	160.5
1235	467.40	5.66	23.1	42.4	3.62	354.5	7.59	145.0
1240	467.40	5.18	22.7	36.0	3.10	354.1	7.60	140.4
1245	467.40	7.31	22.5	35.2	3.04	351.2	7.62	139.0
1250	467.39	5.99	22.3	36.6	3.18	349.3	7.63	138.1

Sample Time: 1256 Sample Date: 4-27-2020

Purge End Time: 1258

6mm

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

Sampled by: D. Schweelk Sampler Signature:

IDW Management

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

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106062
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-21-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 597.97 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 578.27 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 593.27 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 474.31 ft MRP
Depth to Water (DTW): 473.22 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: 18L100378
PID: MiniRAE 3000 — Serial No: WH00005
Water Level Meter: Solinst 500 ft — Serial No: GT SN: 0001
Turbidity Meter: Hach 2100Q — Serial No: WH00007

Sample Information

Sample ID: GW062-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW062-602
Sampling Medium: Water
COC#: COC-062-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106062

Purge Information and Field Parameter Date: 4-21-2020

Purge Start Time: 1445 Purge Rate: 0.500 L/min X 0.265 = 0.133 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 103.96 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**474.31**	**0.38**	**17.4**	-------	**6.79**	**606**	**7.54**	**164.1**
1450	473.27	2.56	18.2	81.0	7.63	377.1	7.87	109.7
1455	473.26	1.92	18.2	75.2	7.09	377.0	7.72	117.9
1500	473.26	1.47	18.2	72.0	6.78	377.0	7.65	126.5
1505	473.28	0.88	18.0	71.6	6.77	376.2	7.53	136.6
1510	473.28	1.26	18.4	59.2	5.55	376.5	7.53	141.1
1515	473.28	4.80	18.9	44.2	4.10	375.4	7.75	142.0
1520	473.28	3.74	19.2	43.3	4.00	375.8	7.77	142.5
1525	473.28	2.57	19.2	43.0	3.97	376.0	7.78	141.0

Sample Time: 1527 Sample Date: 4-21-2020

Purge End Time: 1532 6mm

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.3
2	—
Total	6.3

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106063
Project No: 62599DM01
Samplers: D. Schmeelk
Date: 5-19-2020
Crew Signature:

Well Information

Well was previously HAZARDOUS
SCREEN NOT SUBMERGED on (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: 90 Day Area

Well Depth: 528.13 ft MRP
Top of Screen: 508.13 ft MRP
Bottom of Screen: 523.13 ft MRP
Reference Elevation Interval: 4838
IDW Label: Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ft
LNAPL NOT observed during last gauging event:

Previous Depth to water: N/A ft MRP
Depth to Water (DTW): 473.91 (TOC) ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: ~~NA~~ 511 - per APTIM field tech ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	APTIM's Equipment
PID:	MiniRAE 3000	Serial No:	WH0004 *
Water Level Meter:	Solinst 500 ft	Serial No:	APTIM's Equipment
Turbidity Meter:	Hach 2100Q	Serial No:	

Sample Information

Sample ID: GW063-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW063-602
Sampling Medium: Water
COC#: COC-063-202

Reviewed by: J. Messenger Initials: JM Review Date: 6-11-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106063

Date: 5-19-2020

Purge Information and Field Parameter

Purge Start Time: 0807 Purge Rate: 325mL/stroke ~~L/min~~ X 0.265 = N/A gal/min

Description of first water purged: slight fuel odor

Drawdown Limit: ~~5ft~~ N/A ft (based on previous water level)

Time	DTW (ft) (TOC)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	~~Specific Conductance (µS/cm)~~ Conductivity mS/cm	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:		**1.1**	**16.7**	-------	**1.94**	**417**	**7.31**	**156.3**
0817	473.92	5.57	18.1	N.M	4.21	1.063	7.30	-138.7
0827	473.94	3.97	18.2		1.93	1.079	7.10	-111.2
0837	473.92	2.35	18.2		0.98	1.078	6.92	-112.2
0847	473.94	1.54	18.3		0.58	1.062	6.89	-126.5
0857	473.93	2.29	18.2		0.47	1.063	6.90	-134.0
0907	473.92	2.41	18.4		0.35	1.061	6.90	-140.5
0918	473.92	1.65	18.4		0.29	1.057	6.90	-143.6
0928	473.92	1.47	18.4		0.24	1.059	6.90	-149.4
0938	473.93	1.87	18.5		0.22	1.060	6.90	-152.9
0948	473.95	2.17	18.7		0.18	1.048	6.90	-157.5
0958	473.94	1.89	18.6		0.15	1.055	6.90	-161.1
1008	473.93	1.78	18.7		0.13	1.056	6.90	-164.9
1018	473.95	1.98	18.9	V	0.13	1.054	6.90	-168.6

Sample Time: 1055 Sample Date: 5-19-2020

Purge End Time: ~1100

6mm

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

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	NA -
2	see comments
Total	

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments: did not stabilize DO - sampled according to Work Plan
Split sample - purged by APTIM (Caitlin LaChance)

Reviewed by: J. Messenger Initials: JM Review Date: 6-11-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106064
Project No: 62599DM01
Samplers: Dylan Schweelk
Date: 5-19-2020
Crew Signature:

Well Information

Well was previously HAZARDOUS
SCREEN NOT SUBMERGED on (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: 90 Day Area

Well Depth: 513.06 ft MRP
Top of Screen: 488.06 ft MRP
Bottom of Screen: 508.06 ft MRP
Reference Elevation Interval: 4857
IDW Label: Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: _____ ft
LNAPL NOT observed during last gauging event:

Previous Depth to water: N/A ft MRP
Depth to Water (DTW): 473.08 (TOC) ft MRP

Pump Information

Dedicated Pump

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

~~Non-Dedicated Pump Depth:~~ ~~NA~~ ≈493 -per APTIM field tech ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	APTIM's Equipment
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	APTIM's Equipment
Turbidity Meter:	Hach 2100Q	Serial No:	" "

Sample Information

Sample ID: GW064-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW064-602
Sampling Medium: Water
COC#: COC-064-202

Reviewed by: J. Messenger Initials: JM Review Date: 6-11-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106064

Date: 5-19-2020

Purge Information and Field Parameter

Purge Start Time: 0807 Purge Rate: 300mL/stroke ~~L/min~~ X 0.265 = N/A gal/min

Description of first water purged: Slight fuel odor

Drawdown Limit: ~~473 JM~~ N/A ft (based on previous water level)

Time	DTW (ft) (TOC)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm) (conductivity MS/CM)	pH	ORP (mV)
Stabilization Requirements	-------	If >10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:		**0.91**	**18**	-------	**0**	**707**	**7.09**	**-257.5**
0817	473.08	2.33	17.9	NM	0.57	1.117	7.11	-80.2
0827		~~3~~ 2.54	17.8		0.38	1.170	6.97	-127.2
0837		3.11	17.9		0.24	1.218	6.87	-143.1
0847		3.78	18.0		0.20	1.211	6.86	-151.0
0857		3.51	17.9		0.15	1.200	6.85	-159.1
0907		4.35	18.2		0.12	1.204	6.84	-166.1
0917		4.10	18.1		0.09	1.220	6.83	-172.6
0927		4.99	18.3		0.08	1.214	6.82	-178.0
0937		4.29	18.4		0.06	1.210	6.82	-183.0
0947		4.60	18.2		0.05	1.205	6.82	-186.7
0957		4.84	18.3		0.05	1.215	6.81	-193.6
		Sampled						

Sample Time: 1020 Sample Date: 5-19-2020

Purge End Time: ~1025

6mm

Bubbles in the vials?: ☒ Yes ☐ No Where? 1xBTEX Amount 1 Size ≤1mm

Sampled by: D. Schmeelk Sampler Signature: D. Schmeelk

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	NA, see
2	comments
Total	

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments: Split sample, purged by APTIM (Caitlin Lachance)

Reviewed by: J. Messenger Initials: JM Review Date: 6-11-2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106065
Project No: 62599DM01
Samplers: D. Schmeelk
Date: 4-22-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/22/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Well Depth: 528.00 ft MRP
Top of Screen: 508.00 ft MRP
Bottom of Screen: 523.00 ft MRP
Reference Elevation Interval: 4838

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

Photoionization Measurements at Wellhead: 0.0 ppm

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

LNAPL NOT observed during last gauging event: 1/22/2020

Previous Depth to water: 471.75 ft MRP
Depth to Water (DTW): 470.88 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW065-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW065-602
Sampling Medium: Water
COC#: COC-065-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106065

Date: 4-22-2020

Purge Information and Field Parameter

Purge Start Time: 0830 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 36.25 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.75**	**0.74**	**16.4**	-------	**5.65**	**768**	**7.09**	**122.9**
0840	470.90	0.66	15.3	62.4	6.24	715	7.21	204.9
0845	470.89	0.79	15.8	57.5	5.64	713	7.27	184.3
0850	470.90	1.57	16.2	54.6	5.36	713	7.28	166.3
0855	470.89	3.69	16.5	26.5	2.74	715	7.30	1.3
0900 *	470.89	19.0	16.7	6.3	0.61	696	7.28	12.7
0905 *	470.89	9.36	16.9	4.2	0.42	689	7.27	23.1
0910 *	470.89	7.75	16.9	3.8	0.37	687	7.27	23.5
0915 *	470.89	8.53	17.0	3.2	0.32	~~58~~ 688	7.27	21.4
0920 *	470.88	7.97	17.0	2.7	0.28	685	7.28	18.1
0925 *	470.88	7.56	17.1	2.5	0.22	680	7.27	14.4
0930 *	470.88	6.56	17.1	2.3	0.22	679	7.27	10.4
0935 *	470.88	7.15	17.0	2.2	0.22	677	7.27	7.7
→ Sampled								

6 gal

9 gal

Sample Time: 0938 Sample Date: 4-22-2020

Purge End Time: 0945

6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

GWTS/Pending Analysis Yard

IDW Label: White Pending Analysis

Drum No.	Estimated volume per IDW drum (gal)
1	~6 gal
2	~9 gal
Total	

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

Comments: * Purge water has light to medium VOC odor

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106066
Project No: 62599DM01
Samplers: D Schmeelk
Date: 4-22-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 1/22/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 595.80 ft MRP
Top of Screen: 575.60 ft MRP
Bottom of Screen: 590.60 ft MRP
Reference Elevation Interval: 4814

IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/22/2020

Previous Depth to water: 471.75 ft MRP
Depth to Water (DTW): 471.07 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW066-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW066-602
Sampling Medium: Water
COC#: COC-066-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106066

Date: 4-22-2020

Purge Information and Field Parameter

Purge Start Time: 1129 Purge Rate: 0.960 L/min X 0.265 = 0.2544 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 103.85 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.75**	**7.12**	**17**	-------	**4.35**	**336.6**	**7.6**	**81.7**
1135	471.08	0.25	15.1	81.7	8.08	383.2	7.17	186.0
1140	471.08	0.27	15.6	73.3	7.29	381.7	7.32	182.2
1145	471.08	0.25	16.1	70.0	6.93	381.7	7.30	184.0
1150	471.07	0.32	16.6	66.8	6.40	381.8	7.39	183.7
1155	471.07	0.31	16.8	44.9	4.32	381.6	7.66	178.8
1200	471.06	0.49	16.9	42.7	4.09	381.5	7.77	176.9
1205	471.0	0.76	17.0	44.4	4.26	381.6	7.84	175.6
				AS				

Sample Time: 1210 Sample Date: 4-22-2020

Purge End Time: 1217 6mm

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

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	12
2	—
Total	12

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106067
Project No: 62599DM01
Samplers: D. Schweelk
Date: 4-21-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 1/21/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: Pending Analysis Yard

Well Depth: 510.00 ft MRP
Top of Screen: 485.00 ft MRP
Bottom of Screen: 505.00 ft MRP
Reference Elevation Interval: 4857

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

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

LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 470.6 ft MRP
Depth to Water (DTW): 469.74 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW067-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW067-602
Sampling Medium: Water
COC#: COC-067-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106067

Date: 4-21-2020

Purge Information and Field Parameter

Purge Start Time: 0940 Purge Rate: 0.980 L/min X 0.265 = 0.2597 gal/min

Description of first water purged: Clear & odor-less

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

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**470.6**	**1.85**	**18.9**	-------	**0.16**	**788**	**7.17**	**-133.1**
0950	469.80	1.44	17.7	51.7	4.91	668	7.36	38.4
0955	469.81	2.93	18.1	4.8	0.47	550.6	7.40	22.6
* ~~09~~ 1000	469.81	2.88	18.2	3.2	0.29	550.1	7.39	39.4
1005	469.81	1.95	18.2	~~2.3~~	0.21	552.0	7.37	44.8
1010	469.81	1.83	18.2	2.3	0.21	553.9	7.36	43.9
1015	469.82	2.22	18.2	2.1	0.20	559.2	7.33	35.9

Sample Time: 1020 Sample Date: 4-21-2020

Purge End Time: 1035

6mm

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

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~14 gal
2	—
Total	~ 14 gal

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments: from ~1000, purge has VOC odor.

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106068
Project No: 62599DM01
Samplers: D. Schmeelk
Date: 4-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 600.00 ft MRP
Top of Screen: 580.00 ft MRP
Bottom of Screen: 595.00 ft MRP
Reference Elevation Interval: 4814
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

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

LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 470.3 ft MRP
Depth to Water (DTW): 469.63 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW068-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW068-602
Sampling Medium: Water
COC#: COC-068-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106068

Date: 4-20-2020

Purge Information and Field Parameter

Purge Start Time: 1203 Purge Rate: 0.720 L/min X 0.265 = 0.1908 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 109.70 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**470.3**	**0.7**	**18.5**	-------	**6.24**	**369.1**	**7.46**	**134**
1210	469.65	0.54	18.1	68.6	6.43	381.5	7.32	313.3
1215	469.65	1.32	18.0	66.0	6.24	381.3	7.30	312.0
1220	469.65	9.96	18.1	65.3	6.27	381.3	7.30	310.0
1225	469.66	6.02	18.3	54.3	5.09	381.0	7.45	305.1
1230	469.65	6.17	18.3	52.6	4.95	380.8	7.54	304.3
1235	469.65	6.13	18.3	50.1	4.75	380.0	7.57	303.4

Sample Time: 1246 Sample Date: 4-20-2020

Purge End Time: 1252 6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	9.3
2	—
Total	9.3

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/29/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106069
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 9-23-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 1/21/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 526.00 ft MRP
Top of Screen: 506.00 ft MRP
Bottom of Screen: 521.00 ft MRP
Reference Elevation Interval: 4838

IDW Label: Green Non-hazardous

Protective Casing/Vault: (Intact) Damaged

Well Locked/Security Bolt Present: (Yes) No

Well ID Marked: (Yes) No

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)

LNAPL Thickness: — ft

LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 470.2 ft MRP

Depth to Water (DTW): 469.38 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18078-752

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	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH00005
Water Level Meter:	Solinst 500 ft	Serial No:	WH00012
Turbidity Meter:	Hach 2100Q	Serial No:	WH00007

Sample Information

Sample ID: GW069-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW069-602
Sampling Medium: Water
COC#: COC-069-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106069

Purge Information and Field Parameter Date: 4-23-2020

Purge Start Time: 1055 Purge Rate: 0.920 L/min X 0.265 = 0.244 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 35.80 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**470.2**	**0.48**	**19.2**	-------	**1.03**	**786**	**7.7**	**58.3**
1100	469.38	0.85	21.9	129.5	11.35	3.1	4.95	258.8
1105	469.39	1.40	21.0	17.6	1.57	520.4	7.46	270.3
1110	469.39	1.42	20.6	9.9	0.88	522.0	7.46	264.4
1115	469.39	1.54	20.6	9.7	0.87	525.9	7.48	258.3
1120	469.38	2.04	20.6	14.4	1.29	528.7	7.49	253.2
1125	469.38	3.07	20.4	16.7	1.50	528.3	7.52	249.8
1130	469.37	2.32	20.4	20.1	1.81	531.3	7.57	247.2
1135	469.38	2.13	20.5	16.8	1.51	535.4	7.55	244.6
1140	469.39	2.10	20.4	19.9	1.79	535.7	7.57	242.8
1145	469.39	2.56	20.5	26.6	2.40	537.2	7.56	241.2
1150	469.39	2.20	20.5	24.0	2.16	537.7	7.59	240.1
1155	469.39	2.03	20.6	24.1	2.16	538.6	7.59	239.1
1200	469.37	1.88	20.7	28.4	2.55*	540.8	7.59	238.6

Sample Time: 1202 Sample Date: 4-23-2020

Purge End Time: 1206 6mm

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

Sampled by: J. Messenger Sampler Signature: [signature]

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17.3
2	—
Total	17.3

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: * DO did not stabilize; sampled according to Work Plan

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106070 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW070-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 441.44 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -18.56

Well Depth: 485.00 ft MRP
Top of Screen: 460.00 ft MRP
Bottom of Screen: 480.00 ft MRP

Deployment Team: DS & JL

Date Deployed: 3-19-2020 Time Deployed: 0936

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

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

Duplicate sample required. Please deploy extra DMS as needed

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

Sampler Number:	Top of Sampler Depth (MRP)
1	460.70
2	463.30
3	465.90
4	468.50
5	471.10
6	473.70
7	476.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106070 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW070-202

Date Sampled: 4-16-2020 Time Sampled: 0901 Sampling Team: DS + JM

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

Type of Analysis (circle appropriate)

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

Duplicate sample required.

PID: MiniRAE 3000 Serial No: 414000 5

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

Notes:

Sample ID: GW070-202
Duplicate ID: (if applicable) GW070-602
COC#: COC-070-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106071** ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW071-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 443.68 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -104.32

Well Depth: 568.00 ft MRP
Top of Screen: 548.00 ft MRP
Bottom of Screen: 563.00 ft MRP

Deployment Team: DS & JL

Date Deployed: 3-19-2020 Time Deployed: 0954

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	548.70
2	551.30
3	553.90
4	556.50
5	559.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106071 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW071-202

Date Sampled: 4-16-2020 Time Sampled: 1001 Sampling Team: J. Messenger, D. Schmeelk

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW071-202
Duplicate ID: (if applicable) GW071-602
COC#: COC-071-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106072 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW072-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 441.98 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -33.02

Well Depth: 500.00 ft MRP
Top of Screen: 475.00 ft MRP
Bottom of Screen: 495.00 ft MRP

Deployment Team: DS & JL

Date Deployed: 3-19-2020 Time Deployed: 0944

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	475.70
2	478.30
3	480.90
4	483.50
5	486.10
6	488.70
7	491.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW072-202

Well Location ID: KAFB-106072 *Sampling*

Date Sampled: 4-16-2020 Time Sampled: 0933 Sampling Team: DS + JM

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH00005

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

Notes:

Sample ID: GW072-202
Duplicate ID: (if applicable) GW072-602
COC#: COC-072-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106073
Project No: 62599DM01
Samplers: D.Schmeelk, P. Tessari
Date: 4-29-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 519.50 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 499.50 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 514.50 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 462.68 ft MRP
Depth to Water (DTW): 461.72 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18078752

Non-Dedicated Pump Depth: 501.5 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW073-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW073-602
Sampling Medium: Water
COC#: COC-073-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106073

Date: 4-30-2020

Purge Information and Field Parameter

Purge Start Time: 0835 Purge Rate: 0.810 L/min X 0.265 = 0.21465 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 36.82 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**462.68**	**4.04**	**20.1**	**-------**	**0.55**	**748**	**7.11**	**33.3**
0840	461.75	0.39	19.9	85.4	7.64	4.2	4.19	191.9
0845	461.75	1.18	19.8	29.0	2.60	548.1	7.64	173.4
0850	461.75	2.05	19.9	22.4	2.04	547.3	7.67	161.6
0855	461.75	1.05	20.0	22.5	2.04	550.3	7.70	151.5
0900	461.75	2.09	17.3	16.9	1.52	557.9	7.59	130.1
0905	461.75	2.67	20.1	9.4	0.86	553	7.69	141.9
0910	461.75	1.33	20.2	9.2	0.83	557	7.31	146.5
0915	461.75	1.15	20.2	9.3	0.84	555	7.67	139.0

Sample Time: 0919 Sample Date: 4-30-2020

Purge End Time: 0924 6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	18 gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Water aerated with micro bubbles.

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106074
Project No: 62599DM01
Samplers: Dylan Schroeder, Pete Ferrari
Date: 4-30-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: [X]
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 589.50 ft MRP
Top of Screen: 569.50 ft MRP
Bottom of Screen: 584.50 ft MRP
Reference Elevation Interval: 4814
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: 0.0 ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 463.4 ft MRP
Depth to Water (DTW): ~~571.5~~ PF 462.41 **ft MRP**

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 471.5 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW074-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW074-602
Sampling Medium: Water
COC#: COC-074-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106074

Date: 4-30-2020

Purge Information and Field Parameter

Purge Start Time: 1037 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 106.10 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**463.4**	**0.17**	**17.3**	-------	**3.16**	**347.6**	**7.53**	**179.7**
1040	462.44	0.52	23.0	84.3	7.28	3.2	4.04	213.6
1045	462.44	3.23	22.3	87.3	7.46	391.6	7.39	181.1
1050	462.44	2.13	21.9	56.0	4.99	447.9	7.73	170.5
1055	462.44	1.74	21.8	43.7	3.77	448.4	7.75	166.3
1100	462.44	1.46	21.8	40.4	3.53	449.0	7.75	164.8
1105	462.44	1.53	21.8	39.3	3.44	450.6	7.75	162.2

Sample Time: 1111 Sample Date: 4-30-2020

Purge End Time: 1114

6mm

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

Sampled by: D. Schneelk Sampler Signature:

IDW Management

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

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106075
Project No: 62599DM01
Samplers: D Schmeelk
Date: 4-20-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: X
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 505.00 ft MRP
Top of Screen: 480.00 ft MRP
Bottom of Screen: 500.00 ft MRP
Reference Elevation Interval: 4857
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 463.4 ft MRP
Depth to Water (DTW): 462.42 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	~~6200~~ 18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW075-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW075-602
Sampling Medium: Water
COC#: COC-075-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106075

Purge Information and Field Parameter

Date: 4-20-2020

Purge Start Time: 0950 Purge Rate: 0.900 L/min X 0.265 = 0.2385 gal/min

Description of first water purged: clear ¾ odorless

Drawdown Limit: 16.60 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**463.4**	**0.74**	**18.3**	-------	**0.31**	**1132**	**7.41**	**88.3**
0955	462.47	0.35	17.4	68.4	6.57	704	7.13	306.1
1000	462.46	2.12	17.8	34.0	3.22	698	7.37	219.6
1005	462.46	~~2.63~~ 0.73	18.0	5.6	0.53	641	7.54	126.6
1010	462.47	0.41	18.1	4.5	0.42	640	7.59	139.3
1015	462.46	0.78	18.2	4.2	0.40	636	7.61	150.8
1020	462.45	0.51	18.2	3.3	0.31	634	7.62	154.0
1025	462.46	0.39	18.3	3.2	0.31	638	7.63	158.7
1030	462.4	0.62	18.3	3.3	0.30	~~546~~ 629	7.63	158.4

Turbidity @ → 1005 = 2.63

Sample Time: 1035 Sample Date: 4-20-2020

Purge End Time: 1039 6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	11.75
2	—
Total	11.75

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106076
Project No: 62599DM01
Samplers: G. Begaye, P. Ferrari
Date: 04-28-2020
Crew Signature: [signature], P Durand

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/22/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: Pending Analysis Yard

Well Depth: 505.00 ft MRP
Top of Screen: 480.00 ft MRP
Bottom of Screen: 500.00 ft MRP
Reference Elevation Interval: 4857
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 2.1 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL observed during last gauging event: 1/22/2020

Previous Depth to water: 467.88 ft MRP
Depth to Water (DTW): 467.27 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1808-402

Non-Dedicated Pump Depth: 482.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	401004
Water Level Meter:	Solinst 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	140009

Sample Information

Sample ID: GW076-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW076-602
Sampling Medium: Water
COC#: COC-076-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106076

Purge Information and Field Parameter Date: 04-28-2020

Purge Start Time: 1301 Purge Rate: 0.700 L/min X 0.265 = 0.186 gal/min

Description of first water purged: clear, no odor

Drawdown Limit: 12.12 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**467.88**	**5.9**	**19**	-------	**0.33**	**382.5**	**7.66**	**-113.4**
1305	467.29	3.40	23.8	22.0	1.80	456.8	7.78	-81.4
1310	467.30	1.09	23.0	7.4	0.64	455.5	7.71	-167.0
1315	467.31	2.14	23.5	5.6	0.47	455.2	7.68	-193.3
1320	467.31	3.61	23.4	5.0	0.43	454.5	7.64	-208.6
1325	467.30	6.05	23.1	4.1	0.35	453.0	7.62	-215.7
1330	467.30	5.04	24.0	3.3	0.27	454.9	7.57	-225.2
1335	467.30	6.41	23.6	2.6	0.22	455.2	7.55	-227.2
1340	467.30	7.56	24.1	2.1	0.18	459.1	7.55	-234.5
1345	467.30	13.2	24.0	1.9	0.16	459.5	7.54	-239.7
1350	467.30	11.9	23.8	1.7	0.14	456.3	7.57	-240.6
1355	467.30	17.9	24.0	1.7	0.14	454.8	7.53	-244.0
1400	467.30	21.4	23.8	2.1	0.18	450.5	7.50	-242.3
1405	467.29	23.7	24.2	2.1	0.18	454.2	7.49	-242.7

Sample Time: 1407 Sample Date: 04-28-2020

Purge End Time: 1413 6mm

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

Sampled by: Galveston Begaye Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	13.4
2	
Total	

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments: * did not stabilize Turbidity + DO - sampled according to Work Plan
lost purge @ 1410, restart purge @ 1412, lost purge again @ 1413

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

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note = Alkalinity only half volume collected (~150 mL)

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106077
Project No: 62599DM01
Samplers: D. Schwoelk
Date: 4-27-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Well Depth: 524.00 ft MRP
Top of Screen: 504.00 ft MRP
Bottom of Screen: 519.00 ft MRP
Reference Elevation Interval: 4838

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 469.08 ft MRP
Depth to Water (DTW): 468.36 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 506 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	~~WH0007~~ WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW077-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW077-602
Sampling Medium: Water
COC#: COC-077-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106077

Date: 4-27-2020

Purge Information and Field Parameter

Purge Start Time: 0941 Purge Rate: 0.800 L/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 34.92 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**469.08**	**0.56**	**22.2**	-------	**3.45**	**478.1**	**7.82**	**99.2**
0945	468.35	0.95	19.7	81.6	7.46	5.7	5.07	157.9
0950	468.35	4.67	20.4	63.3	5.57	384.2	7.57	150.6
0955	468.35	2.70	21.0	38.0	3.38	386.1	7.80	139.9
1000	468.35	2.52	21.3	36.7	3.27	386.7	7.81	135.5
1005	468.34	1.60	21.5	37.3	3.28	387.0	7.78	133.2

Sample Time: 1015 Sample Date: 4-27-2020

Purge End Time: 1019

6mm

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

Sampled by: D. Schneelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	8+8=16gal
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106078
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-21-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 593.50 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 573.50 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 588.50 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 468.3 ft MRP
Depth to Water (DTW): 467.55 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature: YSI Professional Plus — Serial No: 18L100378
PID: MiniRAE 3000 — Serial No: WH00005
Water Level Meter: Solinst 500 ft — Serial No: GT SN:0001
Turbidity Meter: Hach 2100Q — Serial No: WH0007

Sample Information

Sample ID: GW078-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW078-602
Sampling Medium: Water
COC#: COC-078-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106078

Date: 4-21-2020

Purge Information and Field Parameter

Purge Start Time: 1031 Purge Rate: 0.920 L/min X 0.265 = 0.244 gal/min

Description of first water purged: clear, no odor

Drawdown Limit: 105.20 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**468.3**	**1.56**	**20.1**	-------	**2.24**	**366.1**	**7.87**	**123.6**
1035	467.58	2.08	18.7	69.0	6.43	359.7	7.44	254.9
1040	467.59	16.1	19.0	66.1	6.12	359.9	7.40	255.6
1045	467.59	14.9	19.7	62.6	5.72	360.6	7.46	257.7
1050	467.59	7.95	20.2	40.9	3.69	361.2	7.30	258.0
1055	467.59	32.8	20.2	26.3	2.38	360.8	7.61	256.7
1100	467.59	13.6	20.1	22.4	2.03	361.4	7.77	253.8
1105	467.59	8.19	20.0	20.8	1.89	361.3	7.77	251.0
~~1110~~ 1125	467.59	4.92	19.8	21.7	~~1.98~~ 1.95 JM	360.8	7.80	241.2
~~1115~~ 1130	467.58	5.12	19.8	21.2	1.93	360.9	7.80	240.0
1135	467.58	5.02	19.8	20.8	1.89	360.9	7.82	235.6

Sample Time: 1140 Sample Date: 4-21-2020

Purge End Time: 1146 6mm

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

Sampled by: J. Messenger Sampler Signature: J. Messenger

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17
2	—
Total	17

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: * at 1108 purge lost – 1124 purge on again

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106079 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW079-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 472.55 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -14.28

Well Depth: 512.43 ft MRP
Top of Screen: 486.83 ft MRP
Bottom of Screen: 506.83 ft MRP

Deployment Team: G. Begaye, T. Livingston

Date Deployed: 03-20-2020 Time Deployed: 1030

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 1.80 ppm

Depth to Water: 472.55

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

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

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

Notes: sample reel needs replacement with orange reel

Sampler Number:	Top of Sampler Depth (MRP)
1	487.53
2	490.13
3	492.73
4	495.33
5	497.93
6	500.53
7	503.13

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106079 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW079-202

Date Sampled: 04-10-2020 Time Sampled: 1045 Sampling Team: G. Begaye, J. Livingston

PID Reading: 0.3 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W400004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GW079-202
Duplicate ID: (if applicable) GW079-602
COC#: COC-079-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106080
Project No: 62599DM01
Samplers: D. Schmeelk
Date: 4-23-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 526.11 ft MRP
SCREEN SUBMERGED on 1/22/2020 (previous gauging date)
Top of Screen: 505.91 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 520.91 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4838
IDW will be taken to: Pending Analysis Yard
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/22/2020

Previous Depth to water: 471.14 ft MRP
Depth to Water (DTW): 470.54 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH* Geotech 0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0009

Sample Information

Sample ID: GW080-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW080-602
Sampling Medium: Water
COC#: COC-080-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106080

Purge Information and Field Parameter

Date: 4-23-2020

Purge Start Time: 0812 Purge Rate: 0.960 L/min X 0.265 = 0.2544 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 34.77 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.14**	**1.53**	**19**	-------	**0.36**	**893**	**6.9**	**-100.2**
0815	470.56	0.30	16.9	68.3	6.62	1392	7.35	238.8
0820	470.56	0.34	17.0	61.5	5.87	1396	7.13	194.8
0825	470.56	0.37	17.3	56.8	5.30	1396	7.02	185.4
* 0830	470.55	0.77	17.6	43.9	4.20	1399	6.99	36.6
** 0835	470.55	2.67	18.0	8.0	0.74	1373	7.00	1.6
0840	470.56	1.99	18.2	4.7	0.41	1357	6.99	6.4
0845	470.55	1.83	18.3	3.7	0.34	1354	6.99	2.6
0850	470.55	1.69	18.4	3.0	0.27	1348	6.99	-4.2
0855	470.55	1.35	18.4	2.9	0.26	1338	6.99	-11.2
~~08~~ 0900	470.55	1.31	18.4	2.8	0.25	1327	6.99	-18.0

Sample Time: 0905 Sample Date: 4-23-2020

Purge End Time: 0913 6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	15.5
2	—
Total	15.5

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments: * slight VOC odor. ** Medium VOC odor.

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106081
Project No: 62599DM01
Samplers: D Schmeelk, J. Livingston
Date: 4-29-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 597.87 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 577.87 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 592.37 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 472.37 ~~472.55~~ JM ft MRP
Depth to Water (DTW): 471.71 ft MRP

Pump Information

Dedicated Pump

Bennett Pump Serial No.: ~~Not Applicable - Dedicated pump present~~ JM 18078-752

Non-Dedicated Pump Depth: NA ~~580~~ JM 579.87 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW081-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW081-602
Sampling Medium: Water
COC#: COC-081-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106081

Date: 4-29-2020

Purge Information and Field Parameter

Purge Start Time: 1311 Purge Rate: 0.960 L/min X 0.265 = 0.254 gal/min

Description of first water purged: Clear, odorless

Drawdown Limit: 105.32 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	472.55	2.25	18.7	-------	4	326.4	7.87	143.7
1315	471.79	0.71	23.6	96.4	8.02	3.0	4.21	200.6
1320	471.79	3.55	23.0	92.2	7.89	~~36~~ 347.5	6.92	196.3
1325	471.79	0.99	22.1	68.7	5.91	350.9	7.52	173.0
1330	471.79	1.00	22.1	63.0	5.49	350.7	7.53	172.1
1335	471.79	0.73	21.9	59.8	5.23	350.8	7.55	171.1
1340	471.79	1.06	22.0	58.3	5.08	350.9	7.58	170.6
~~1345~~								

Sample Time: 1342 Sample Date: 4/29/2020

Purge End Time: 1347

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	17
2	—
Total	17

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106082
Project No: 62599DM01
Samplers: D. Schmulk J. Livingston
Date: 4/28/2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: [X]
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Well Depth: 497.30 ft MRP
Top of Screen: 472.00 ft MRP
Bottom of Screen: 492.00 ft MRP
Reference Elevation Interval: 4857

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 458.61 ft MRP
Depth to Water (DTW): 457.44 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 474.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW082-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW082-602
Sampling Medium: Water
COC#: COC-082-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106082

Date: 4/28/2020

Purge Information and Field Parameter

Purge Start Time: 1241 Purge Rate: 0.840 L/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear, odorless

Drawdown Limit: 13.39 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**458.61**	**1.87**	**17.7**	-------	**0.45**	**495.3**	**7.57**	**122.2**
1245	457.49	0.31	27.7	74.4	5.86	2.5	4.08	194.4
1250	457.49	0.69	26.3	61.0	4.50	591	7.13	171.4
1255	457.49	0.84	24.8	32.5	2.67	588	7.43	151.9
1300	457.49	0.98	~~23.7~~ 24.2	23.2	1.92	585	7.45	143.5
1305	457.49	0.34	24.0	18.5	1.55	583	7.46	134.5
1310	457.49	0.96	23.7	17.7	1.50	583	7.46	128.8
1315	457.49	0.39	23.6	17.5	1.48	582	7.46	127.2

JL

Sample Time: 1320 Sample Date: 4/28/2020

Purge End Time: 1323

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

Sampled by: D. Schweelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	16.87
2	—
Total	16.87

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106083
Project No: 62599DM01
Samplers: D. Schmeelk, J. Livingston
Date: 4-28-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 515.70 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 495.50 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 510.50 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 458.28 ft MRP
Depth to Water (DTW): 457.18 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 497.5 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW083-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW083-602
Sampling Medium: Water
COC#: COC-083-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106083

Date: 4/28/2020

Purge Information and Field Parameter

Purge Start Time: 0844 Purge Rate: 0.960 L/min X 0.265 = 0.254 gal/min

Description of first water purged: Clear, odorless

Drawdown Limit: 37.22 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**458.28**	**1.22**	**17.9**	-------	**0.48**	**446.2**	**7.56**	**112.2**
0850	457.20	0.87	19.5	102.2	9.52	2.6	4.23	200.1
0855	457.22	1.24	19.6	21.6	2.02	497.0	7.74	163.4
0900	457.21	1.42	19.7	10.1	0.92	497.3	7.79	145.6
0905	457.20	1.61	19.8	7.6	0.69	490.2	7.81	130.3
0910	457.20	2.00	20.0	7.4	0.67	490.7	7.82	116.2
0915	457.20	1.52	20.0	7.7	0.71	491.4	7.83	97.1

Sample Time: 0919 Sample Date: 4/28/2020

Purge End Time: 0924

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	18
2	
Total	

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106084
Project No: 62599DM01
Samplers: D.Schmeelk, J.Livingston
Date: 4-28-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 589.42 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 569.62 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 584.62 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 460.99 ft MRP
Depth to Water (DTW): 459.92 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-A* 752

Non-Dedicated Pump Depth: ~~572~~ 571.62 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW084-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW084-602
Sampling Medium: Water
COC#: COC-084-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106084

Date: 4-28-2020

Purge Information and Field Parameter

Purge Start Time: 1041 Purge Rate: 0.560 L/min X 0.265 = 0.148 gal/min

Description of first water purged: Clear, odorless

Drawdown Limit: 108.63 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**460.99**	**0.34**	**15.6**	-------	**2.44**	**362.6**	**7.65**	**198.3**
1050	459.96	1.43	23.1	86.1	7.43	11.2	5.29	193.3
1055	459.96	0.65	22.9	67.7	5.79	357.7	7.71	165.4
1100	459.96	0.90	22.6	53.8	4.62	362.2	7.76	160.8
1105	459.96	1.06	22.6	45.1	3.90	364.2	7.78	156.7
1110	459.95	1.07	22.6	40.1	3.46	365.3	7.78	154.0
~~1120~~ 1115	459.96	1.24	22.6	38.7	3.35	366.1	7.78	151.8
1120	459.96	1.25	22.6	38.3	3.31	366.0	7.78	150.6
			JL					

Sample Time: 1125 Sample Date: 4/28/2020

Purge End Time: 1130

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	14.75
2	—
Total	14.75

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Page 2 of 2

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106085 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW085-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 439.86 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -6.64

Well Depth: 481.50 ft MRP
Top of Screen: 446.50 ft MRP
Bottom of Screen: 476.50 ft MRP

Deployment Team: G. Begaye, R. Fennari

Date Deployed: 03-16-2020 Time Deployed: 1225

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 439.86

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	447.20
2	449.80
3	452.40
4	455.00
5	457.60
6	460.20
7	462.80
8	465.40
9	468.00
10	470.60

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106085 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW085-202

Date Sampled: 04-06-2020 Time Sampled: 1010 Sampling Team: G. Begaye, E. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions GB	Nitrate / Nitrite	X	
6 GB	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW085-202
Duplicate ID: (if applicable) GW085-602
COC#: COC-085-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106086 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW086-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 440.25 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -35.75

Well Depth: 496.00 ft MRP
Top of Screen: 476.00 ft MRP
Bottom of Screen: 491.00 ft MRP

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 1310

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 440.25

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	476.70
2	479.30
3	481.90
4	484.50
5	487.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW086-202

Well Location ID: KAFB-106086 *Sampling*

Date Sampled: 04-06-2020 Time Sampled: 0935 Sampling Team: G. Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Sample ID: GW086-202
Duplicate ID: (if applicable) GW086-602
COC#: COC-086-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106087 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW087-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 439.42 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -106.58

Well Depth: 565.50 ft MRP
Top of Screen: 546.00 ft MRP
Bottom of Screen: 561.00 ft MRP

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 1250

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 439.42

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

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

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	546.70
2	549.30
3	551.90
4	554.50
5	557.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106087 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW087-202

Date Sampled: 04-06-2020 Time Sampled: 0900 Sampling Team: G. Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW087-202
Duplicate ID: (if applicable) GW087-602
COC#: COC-087-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106088 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW088-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 447.18 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -12.82

Well Depth: 485.00 ft MRP
Top of Screen: 460.00 ft MRP
Bottom of Screen: 480.00 ft MRP

Deployment Team: G. Begaye

Date Deployed: 03-19-2020 Time Deployed: 1000

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 447.18

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	460.70
2	463.30
3	465.90
4	468.50
5	471.10
6	473.70
7	476.30

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106088 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW088-202

Date Sampled: 04-09-2020 Time Sampled: 1000 Sampling Team: G Begaye, D. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW088-202
Duplicate ID: (if applicable) GW088-602
COC#: COC-088-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106089 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW089-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 446.89 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -34.67

Well Depth: 501.56 ft MRP
Top of Screen: 481.56 ft MRP
Bottom of Screen: 496.56 ft MRP

Deployment Team: G. Begaye

Date Deployed: 03-19-2020 Time Deployed: 0925

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 446.89

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

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

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	482.26
2	484.86
3	487.46
4	490.06
5	492.66

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106089 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW089-202

Date Sampled: 04-09-2020 **Time Sampled:** 0930 **Sampling Team:** G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

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

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW089-202
Duplicate ID: (if applicable) GW089-602
COC#: COC-089-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106090 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW090-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 445.68 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -109.40

Well Depth: 575.08 ft MRP
Top of Screen: 555.08 ft MRP
Bottom of Screen: 570.08 ft MRP

Deployment Team: G. Begaye

Date Deployed: 03-19-2020 Time Deployed: 0845

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 445.68

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

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

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	555.78
2	558.38
3	560.98
4	563.58
5	566.18

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106090 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW090-202

Date Sampled: 04-09-2020 Time Sampled: 0905 Sampling Team: G-Begaye, P. Ferrari

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WF0004

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

Notes:

Sample ID: GW090-202
Duplicate ID: (if applicable) GW090-602
COC#: COC-090-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106091 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW091-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 436.79 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -17.21

Well Depth: 479.00 ft MRP
Top of Screen: 454.00 ft MRP
Bottom of Screen: 474.00 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 Time Deployed: 1030

PID: MiniRAE 3000 Serial No: Wh0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
Duplicate sample required. Please deploy extra DMS as needed	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	454.70
2	457.30
3	459.90
4	462.50
5	465.10
6	467.70
7	470.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW091-202

Well Location ID: KAFB-106091 *Sampling*

Date Sampled: 4-8-2020 Time Sampled: 1311 Sampling Team: DS + JM

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

		Choose only one							Document in notes: Dup?	MS/MSD?
1	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
2	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions JM	Nitrate / Nitrite	X	
3	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
4	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite	X	
5	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		
6	EDB	VOCs	BTEX (N)	Metals (Dissolved)	Metals (Total)	Alkalinity	Anions	Nitrate / Nitrite		

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: 410005

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

Sample ID: GW091-202
Duplicate ID: (if applicable) GW091-602
COC#: COC-091-202

Notes:

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106092 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW092-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 436.90 **(Gauged on 1/21/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -37.10

Well Depth: 493.70 ft MRP
Top of Screen: 474.00 ft MRP
Bottom of Screen: 489.00 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 **Time Deployed:** 1507*

PID: MiniRAE 3000 **Serial No:** Wh0016

Water Level Meter: Solinst 500 ft **Serial No:** —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	474.70
2	477.30
3	479.90
4	482.50
5	485.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106092 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW092-202

Date Sampled: 4-8-2020 Time Sampled: 1223 Sampling Team: JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: 476005

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

Notes:

Sample ID: GW092-202
Duplicate ID: (if applicable) GW092-602
COC#: COC-092-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106093 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW093-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 436.99 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -107.01

Well Depth: 563.20 ft MRP
Top of Screen: 544.00 ft MRP
Bottom of Screen: 559.00 ft MRP

Deployment Team: DS & NP

Date Deployed: 3-18-2020 Time Deployed: 0950

PID: MiniRAE 3000 Serial No: WH0E04

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	544.70
2	547.30
3	549.90
4	552.50
5	555.10

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW093-202

Well Location ID: KAFB-106093 *Sampling*

Date Sampled: 4-8-2020 Time Sampled: 1249 Sampling Team: J. Messenger, D. Schmelzle/K

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW093-202
Duplicate ID: (if applicable) GW093-602
COC#: COC-093-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106094
Project No: 62599DM01
Samplers: J. Messenger G. Begaye
Date: 4-21-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: Pending Analysis Yard

Well Depth: 509.20 ft MRP
Top of Screen: 484.20 ft MRP
Bottom of Screen: 504.20 ft MRP
Reference Elevation Interval: 4857
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 467.81 ft MRP
Depth to Water (DTW): 467.14 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	GT SN:0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH02007

Sample Information

Sample ID: GW094-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW094-602
Sampling Medium: Water
COC#: COC-094-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106094

Date: 4-21-2020

Purge Information and Field Parameter

Purge Start Time: 0820 Purge Rate: 0.760 L/min X 0.265 = 0.201 gal/min

Description of first water purged: clear, no odor

Drawdown Limit: 16.39 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**467.81**	**4.4**	**19**	-------	**0.22**	**803**	**7.54**	**-110.2**
0825	467.15	2.25	17.9	67.3	6.37	577.2	7.42	369.5
0830	467.15	15.7	18.1	55.1	5.20	574.2	7.35	355.2
0835	467.14	4.79	18.4	7.2	0.67	511.8	7.39	120.2
0840	467.14	11.0	18.5	4.6	0.43	508.9	7.43	118.1
0845	467.15	2.04	18.5	3.9	0.36	507.7	7.42	114.2
0850	467.15	1.75	18.6	3.3	0.31	506.0	7.45	103.9
0855	467.14	1.58	18.6	3.0	0.28	505.7	7.45	95.0
0900	467.15	1.25	18.6	2.7	0.25	507.3	7.44	87.6
0905	467.15	7.71	18.6	2.4	0.22	507.0	7.45	75.7
0910	467.15	1.27	18.6	2.3	0.21	509.0	7.47	66.8
0915	467.15	1.48	18.6	2.1	0.20	511.4	7.46	59.1

Sample Time: 0917 Sample Date: 4-21-2020

Purge End Time: 0922 6mm

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

Sampled by: J. Messenger Sampler Signature:

IDW Management

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

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106095
Project No: 62599DM01
Samplers: D.Schmeelk, J.Livingston
Date: 4-29-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Well Vault
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Well Depth: 523.85 ft MRP
Top of Screen: 503.85 ft MRP
Bottom of Screen: 518.85 ft MRP
Reference Elevation Interval: 4838

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

Photoionization Measurements at Wellhead: 2.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ——— ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 467.36 ft MRP
Depth to Water (DTW): 466.77 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-792

Non-Dedicated Pump Depth: ~~506~~ 505.85 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW095-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW095-602
Sampling Medium: Water
COC#: COC-095-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106095

Date: 4-29-2020

Purge Information and Field Parameter

Purge Start Time: 1044 Purge Rate: 0.840 L/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear, odorless

Drawdown Limit: 36.49 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**467.36**	**2.23**	**18.8**	-------	**7.59**	**989**	**7.51**	**90.2**
1050	466.79	0.42	22.4	76.4	6.62	3.0	4.20	191.3
1055	466.80	1.28	22.1	51.0	4.30	448.5	7.58	180.0
1100	466.80	2.63	21.8	31.9	2.79	449.3	7.65	168.3
1105	466.80	2.31	21.7	33.5	2.92	456.6	7.68	160.5
1110	466.80	0.77	21.7	37.3	3.27	459.5	7.67	157.4
1115	466.80	1.28	21.7	24.3	2.14	470.2	7.67	154.0
1120	466.78	0.70	21.7	28.0	2.40	465.9	7.63	153.5
1125	466.80	5.58	21.7	25.9	2.27	476.3	7.66	149.2
1130	466.80	4.39	21.8	26.0	2.28	469.9	7.67	148.0

Sample Time: 1131 Sample Date: 4/29/2020

Purge End Time: 1142

6mm

Bubbles in the vials?: [X] Yes [ ] No Where? All EDB VOAs Amount 1 Size 0.5-2 mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	20.5
2	—
Total	20.5

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Water was highly aerated

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106096
Project No: 62599DM01
Samplers: D. Schmaelz, G. Begaye
Date: 5-8-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS

SCREEN SUBMERGED on 1/21/2020 (previous gauging date)

Barricade/Notification: ☐

Measurement Reference Point (MRP): Top of Well Vault

IDW will be taken to: Pending Analysis Yard

Well Depth: 596.45 ft MRP
Top of Screen: 576.45 ft MRP
Bottom of Screen: 591.45 ft MRP
Reference Elevation Interval: 4814
IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.0 ppm

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

LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 468 ft MRP
Depth to Water (DTW): 467.42 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: ~~NA~~ * 578.45 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	~~Solinst~~ Geotech 500 ft	Serial No:	0001
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW096-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW096-602
Sampling Medium: Water
COC#: COC-096-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-11-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106096

Date: 5-8-2020

Purge Information and Field Parameter

Purge Start Time: 1228 Purge Rate: 0.860 L/min X 0.265 = 0.2279 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 108.45 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**468**	**1.5**	**19.1**	-------	**3**	**460.9**	**7.89**	**53.6**
1235	468.42	3.99	19.5	46.7	4.27	358.2	7.72	137.5
1240	467.42	4.17	19.4	44.7	4.10	357.6	7.74	134.2
1245	467.42	3.73	19.4	45.3	4.13	357.2	7.75	134.2
1250	467.42	5.11	19.4	46.2	4.23	~~319~~ 357.5	7.76	134.7

Sample Time: 1300 Sample Date: 5-8-2020

Purge End Time: 1303

6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	18gal
2	
Total	18 gal

IDW will be taken to: Pending Analysis Yard

IDW Label: White Pending Analysis

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-11-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106097
Project No: 62599DM01
Samplers: D. Schmeelk, P. Ferrari
Date: 5-1-2020
Crew Signature: D. Schmeelk, Pete Ferrari

Well Information

Well was NOT HAZARDOUS
Well Depth: 526.04 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 506.04 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 521.04 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes No
LNAPL Thickness: ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 470.16 ft MRP
Depth to Water (DTW): 469.30 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 508.0 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW097-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW097-602
Sampling Medium: Water
COC#: COC-097-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106097

Date: 5-1-2020

Purge Information and Field Parameter

Purge Start Time: 1359 Purge Rate: 0.840 L/min X 0.265 = 0.2226 gal/min

Description of first water purged: clear / odorless

Drawdown Limit: 35.88 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**470.16**	**0.83**	**22.5**	-------	**2.46**	**372**	**7.24**	**68.3**
1405	469.37	1.30	23.9	76.1	6.25	496.8	7.68	125.1
1410	469.37	1.00	21.2	43.5	3.83	498.8	7.71	128.4
1415	469.38	0.71	21.1	36.5	3.25	497.4	7.71	130.0
1420	469.38	0.62	20.7	33.5	3.01	496.7	7.71	131.3
1425	469.38	0.88	20.6	31.5	2.83	496.5	7.71	132.8
1430	469.38	0.96	20.5	30.5	2.77	496.2	7.70	134.1

Sample Time: 1439 Sample Date: 5-1-2020

Purge End Time: 1442

6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	8.9 gal drum
2	5 gal bucket
Total	14 gal.

14 gal → 1

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106098
Project No: 62599DM01
Samplers: D. Schuegelk, P. Ferrari
Date: 5-1-2020
Crew Signature: D. Schuegelk, Pete Ferrari

Well Information

Well was NOT HAZARDOUS
Well Depth: 551.12 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 531.02 ft MRP
Barricade/Notification: X
Bottom of Screen: 546.02 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 470.24 ft MRP
Depth to Water (DTW): 469.48 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 533.02 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW098-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW098-602
Sampling Medium: Water
COC#: COC-098-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106098

Date: 5-1-2020

Purge Information and Field Parameter

Purge Start Time: 0916 Purge Rate: 0.940 L/min X 0.265 = 0.2491 gal/min

Description of first water purged: Clear / no odor

Drawdown Limit: 60.78 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**470.24**	**0.52**	**22.1**	-------	**3.77**	**331**	**7.22**	**127.6**
0920	469.53	2.41	19.6	120.8	11.02	353.2	7.74	171.0
0925	469.52	0.87	19.3	48.5	4.47	425.7	7.75	152.6
0930	469.52	401	19.3	37.6	3.48	427.8	7.75	151.5
0935	469.53	1.01	19.3	37.2	3.44	437.4	7.67	153.9
0940	469.53	0.73	19.3	36.1	3.32	440.1	7.44	165.5

Sample Time: 0946 Sample Date: 5-1-2020

Purge End Time: 0949

6mm

Bubbles in the vials?: ☒ Yes ☐ No Where? BTEX x3, EDBx1 Amount 1 Size <1mm

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

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

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments: Sample aerated with micro bubbles, had to top off all VOA's

Reviewed by: J. Messenger Initials: JM Review Date: 5-4-2020

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Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106099
Project No: 62599DM01
Samplers: J Messenger, D Schmeelk
Date: ~~5-4~~ 5-5-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 521.00 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 501.00 ft MRP
Barricade/Notification: X
Bottom of Screen: 516.00 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 1.0 ppm

LNAPL Present (circle one)? Yes / No
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 465.38 ft MRP
Depth to Water (DTW): 464.59 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

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	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	~~WH0012 Jm~~ ~~253056 Jm~~ WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW099-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW099-602
Sampling Medium: Water
COC#: COC-099-202

Reviewed by: J. Messenger Initials: Jm Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106099

Date: JM 5-5-20

Purge Information and Field Parameter

Purge Start Time: 1043 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: clear; no odor – moderately aerated

Drawdown Limit: 35.62 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**465.38**	**0.8**	**20.9**	-------	**5.54**	**485.3**	**7.15**	**93.7**
1045	464.60	0.62	20.8	110.7	9.93	362.6	7.81	155.4
1050	464.61	0.68	19.9	70.1	6.39	330.1	7.79	160.2
1055	464.61	1.94	19.6	67.6	6.19	346.3	7.77	163.2
1100	464.61	1.27	19.6	66.6	6.10	339.8	7.79	164.2
1105	464.61	1.23	19.6	66.1	6.06	363.8	7.79	164.6

Sample Time: 1111 Sample Date: 5-5-2020

Purge End Time: 1115

Bubbles in the vials?: [X] Yes [ ] No Where? 1 BTEX 2 EDB Amount 1 Size 6mm ≈ 1mm

Sampled by: D. Schmeltz Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.5
2	5
Total	11.5

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106100
Project No: 62599DM01
Samplers: D. Schnoebelen J. Messenger
Date: 5-5-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 546.00 ft MRP
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Top of Screen: 526.00 ft MRP
Barricade/Notification: [X]
Bottom of Screen: 541.00 ft MRP
Measurement Reference Point (MRP): Top of Well Vault
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: 465.4 ft MRP
Depth to Water (DTW): 464.56 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B - 752

Non-Dedicated Pump Depth: 528.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0005
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW100-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW100-602
Sampling Medium: Water
COC#: COC-100-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106100

Date: 5-5-2020

Purge Information and Field Parameter

Purge Start Time: 0834 Purge Rate: 0.860 L/min X 0.265 = 0.2279 gal/min

Description of first water purged: clear; no odor

Drawdown Limit: 60.60 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**465.4**	**3.52**	**16.7**	-------	**5.6**	**425.3**	**7.89**	**68.3**
0840	464.80	4.13	18.2	74.2	6.96	337.3	7.85	196.5
0845	464.60	2.55	18.6	61.5	5.74	339.7	7.85	183.3
0850	464.61	2.00	18.8	52.2	4.86	338.4	7.85	175.6
0855	464.62	1.85	18.8	45.4	4.22	339.6	7.84	171.3
0900	464.63	1.59	18.9	40.9	3.80	337.9	7.84	168.8
0905	464.64	1.29	18.9	36.8	3.42	337.1	7.84	166.0
0910	464.64	1.74	19.0	34.2	3.17	337.1	7.82	165.0
0915	464.64	1.09	19.0	32.6	3.02	335.9	7.82	164.8
0920	464.65	1.40	19.1	30.4	2.81	334.0	7.80	163.9
0925	464.65	1.18	19.1	29.8	2.75	331.4	7.81	162.5

Sample Time: 0930 Sample Date: 5-5-2020

Purge End Time: 0935

6mm

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

Sampled by: D. Schmeltz Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	13.5
2	5
Total	18.5

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Page 2 of 2

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106101
Project No: 62599DM01
Samplers: D. Schmeelk, G. Begaye
Date: 5-4-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 518.01 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 498.81 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 514.11 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4838
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 462.89 ft MRP
Depth to Water (DTW): 461.95 **ft MRP**

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 18073-752

Non-Dedicated Pump Depth: 500.81 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW101-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW101-602
Sampling Medium: Water
COC#: COC-101-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106101

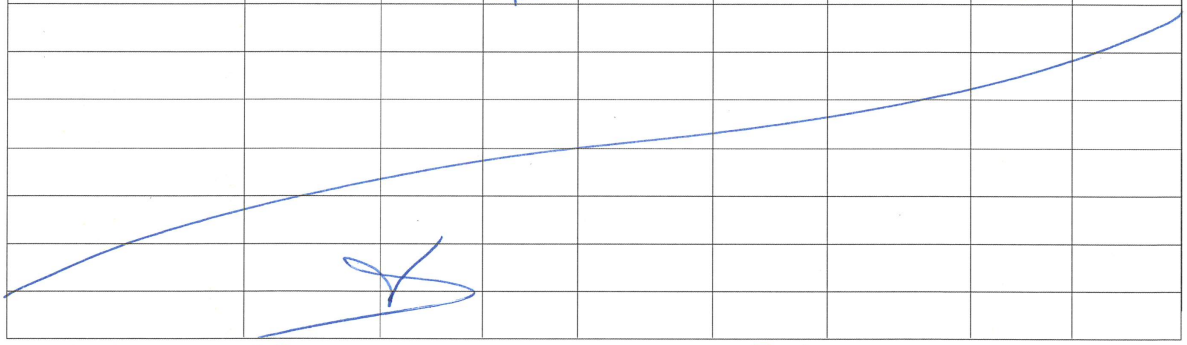
Purge Information and Field Parameter Date: 5-4-2020

Purge Start Time: 0951 Purge Rate: 0.990 L/min X 0.265 = 0.26235 gal/min

Description of first water purged: clear, odorless

Drawdown Limit: 35.92 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**462.89**	**1.52**	**15.4**	-------	**6.85**	**534.9**	**7.85**	**132.2**
0955	461.97	1.95	19.9	93.6	9.57	394.0	7.53	192.3
1000	461.97	8.22	19.9	78.4	7.13	395.5	7.75	168.3
1005	461.94	6.30	19.7	69.3	6.32	395.9	7.76	163.8
1010	461.96	4.59	19.7	63.4	5.78	396.7	7.78	161.0
1015	461.95	4.32	19.6	60.5	5.54	397.8	7.78	159.4
1020	461.95	2.91	19.6	58.4	5.35	398.9	7.79	158.4



Sample Time: 1023 Sample Date: 5-4-2020

Purge End Time: 1027

6mm

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

Sampled by: G. Begaye Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~14.5~~ 9.5
2	5
Total	14.5

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106102
Project No: 62599DM01
Samplers: DSchmeelk, G. Begaye
Date: 5-4-2020
Crew Signature:

Well Information

Well was NOT HAZARDOUS
Well Depth: 543.08 ft MRP
SCREEN SUBMERGED on 1/21/2020 (previous gauging date)
Top of Screen: 523.98 ft MRP
Barricade/Notification: ☐
Bottom of Screen: 537.68 ft MRP
Measurement Reference Point (MRP): Top of Protective Casing
Reference Elevation Interval: 4814
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes / No
LNAPL Thickness: ____ ft
LNAPL NOT observed during last gauging event: 1/21/2020

Previous Depth to water: 463.03 ft MRP
Depth to Water (DTW): 462.08 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752
Non-Dedicated Pump Depth: ~~526~~ 525.98 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18C104594
PID:	MiniRAE 3000	Serial No:	WH0004
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW102-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW102-602
Sampling Medium: Water
COC#: COC-102-202

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106102

Date: 5-4-2020

Purge Information and Field Parameter

Purge Start Time: 1147 Purge Rate: 0.760 L/min X 0.265 = 0.2014 gal/min

Description of first water purged: Clear & odorless

Drawdown Limit: 60.95 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**463.03**	**0.92**	**19.3**	-------	**4.51**	**355.3**	**7.88**	**142**
1155	462.11	4.01	21.7	56.4	4.90	324.6	7.79	165.1
1200	462.11	3.43	21.4	34.1	3.02	326.3	7.79	165.0
1205	462.11	2.52	21.3	28.7	2.53	327.1	7.80	160.4
1210	462.11	2.14	21.3	26.6	2.36	327.9	7.81	160.0
1215	462.11	1.74	21.1	25.4	2.26	328.0	7.79	160.2
1220	462.11	1.28	20.7	24.1	2.17	328.3	7.79	160.2

Sample Time: 1226 Sample Date: 5-4-2020

Purge End Time: 1231 6mm

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

Sampled by: D. Schmeelk Sampler Signature:

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~13.5~~ 9.5
2	4
Total	13.5

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: J. Messenger Initials: JM Review Date: 5-7-2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106103 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW103-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 451.74 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -33.32

Well Depth: 505.26 ft MRP
Top of Screen: 485.06 ft MRP
Bottom of Screen: 500.06 ft MRP

Deployment Team: D. Schmeelk, N. Peterson

Date Deployed: 3-20-2020 Time Deployed: 1015

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	485.76
2	488.36
3	490.96
4	493.56
5	496.16

Depths highlighted blue represent submerged samplers based on previous water level

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106103 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW103-202

Date Sampled: 4-10-2020 Time Sampled: 1049 Sampling Team: J. Messenger, D. Schweelk

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

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

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW103-202
Duplicate ID: (if applicable) GW103-602
COC#: COC-103-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106104 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW104-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 451.21 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -58.84

Well Depth: 530.05 ft MRP
Top of Screen: 510.05 ft MRP
Bottom of Screen: 525.05 ft MRP

Deployment Team: D. Schmeelk, N. Peterson

Date Deployed: 3-20-2020 Time Deployed: 1003

PID: MiniRAE 3000 Serial No: WH00004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	510.75
2	513.35
3	515.95
4	518.55
5	521.15

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW104-202

Well Location ID: KAFB-106104 *Sampling*

Date Sampled: 4-16-2020 Time Sampled: 0826 Sampling Team: DS + JM

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W400005

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

Notes:

Sample ID: GW104-202
Duplicate ID: (if applicable) GW104-602
COC#: COC-104-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106105 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW105-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 444.41 **(Gauged on 1/21/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -39.59

Well Depth: 504.00 ft MRP
Top of Screen: 484.00 ft MRP
Bottom of Screen: 499.00 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 **Time Deployed:** 0800

PID: MiniRAE 3000 **Serial No:** ...5790 (WH0004)

Water Level Meter: Solinst 500 ft **Serial No:**

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	484.70
2	487.30
3	489.90
4	492.50
5	495.10
6	497.70

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106105 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW105-202

Date Sampled: 4-8-2020 Time Sampled: 1051 Sampling Team: JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: W400005

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

Notes:

Sample ID: GW105-202
Duplicate ID: (if applicable) GW105-602
COC#: COC-105-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106106 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW106-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 444.28 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -9.32

Well Depth: 488.60 ft MRP
Top of Screen: 453.60 ft MRP
Bottom of Screen: 483.60 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 Time Deployed: 0845

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: ~~~~

PID Reading: 0.0 ppm

Depth to Water: ~~~~

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	454.30
2	456.90
3	459.50
4	462.10
5	464.70
6	467.30
7	469.90
8	472.50
9	475.10
10	477.70

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106106 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW106-202

Date Sampled: 4-8-2020 **Time Sampled:** 1120 **Sampling Team:** DS + JM

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

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

Document in notes

6mm

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW106-202
Duplicate ID: (if applicable) GW106-602
COC#: COC-106-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106107 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW107-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 444.52 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -65.68

Well Depth: 530.20 ft MRP
Top of Screen: 510.20 ft MRP
Bottom of Screen: 525.20 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-18-2020 Time Deployed: 0818

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	510.90
2	513.50
3	516.10
4	518.70
5	521.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106107 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW107-202

Date Sampled: 4-8-2020 **Time Sampled:** 1029 **Sampling Team:** DS + JM

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: WH00005

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

Notes:

Sample ID: GW107-202
Duplicate ID: (if applicable) GW107-602
COC#: COC-107-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106149-484 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW149-484-202

Well Information

Screen Interval Length (ft): 130
Previous Depth to Water (MRP): 469.08 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 115.08 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 484.00 ft MRP
Top of Screen: 354.00 ft MRP
Bottom of Screen: 484.00 ft MRP

Deployment Team: G-Begaye, J-Livingston

Date Deployed: 03-20-2020 Time Deployed: 1450

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: ~~468.50~~ 468.45
Measure Water Level re-gauge

DMS Tether and Reel ID match Well ID? QB
Initial to confirm that ID check was completed

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

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

Sampler Number:	Top of Sampler Depth (MRP)
10	453.80
11	456.40
12	459.00
13	461.60
14	464.20
15	466.80
16	469.40
17	472.00
18	474.60
19	477.20
20	479.80

Depths highlighted blue represent submerged samplers based on previous water level

Notes: NAPL at 468.46-468.49

Surveyed by High Mesa January 2018

* Add one (1) ~~extra~~ DMS due to past problems retrieving full DM samplers (4 total) (Deploy)

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106149-484 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW149-484-202

Date Sampled: 04-16-2020 Time Sampled: 1300 Sampling Team: G. Begaye, P. Ferrari

PID Reading: 2.70 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes: DMS bags 1 and 3 were the only ones able to sample as DMS bags 2 and 4 were not intact

Sample ID: GW149-484-202
Duplicate ID: (if applicable) GW149-484-602
COC#: COC-149-484-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106151-484 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW151-484-202

Well Information

Screen Interval Length (ft): 129
Previous Depth to Water (MRP): 469.03 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 113.84 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 484.19 ft MRP
Top of Screen: 355.19 ft MRP
Bottom of Screen: 484.19 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 03-20-2020 Time Deployed: 0909

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 468.29

Measure Water Level

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

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

Notes:
Surveyed by High Mesa January 2018

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
10	453.99
11	456.59
12	459.19
13	461.79
14	464.39
15	466.99
16	469.59
17	472.19
18	474.79
19	477.39
20	479.99

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106151-484 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW151-484-202

Date Sampled: 04-16-2020 **Time Sampled:** 1030 **Sampling Team:** P. Serrari, Galveston Begaye

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GW151-484-202
Duplicate ID: (if applicable) GW151-484-602
COC#: COC-151-484-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106152-484 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW152-484-202

Well Information

Screen Interval Length (ft): 129

Previous Depth to Water (MRP): 470.63 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 115.35 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 484.28 ft MRP
Top of Screen: 355.28 ft MRP
Bottom of Screen: 484.28 ft MRP

Deployment Team: G. Begaye, T. Livingston

Date Deployed: 03-20-2020 Time Deployed: 1142

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 470.04

Measure Water Level

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

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

Notes:

Surveyed by High Mesa January 2018

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
10	454.08
11	456.68
12	459.28
13	461.88
14	464.48
15	467.08
16	469.68
17	472.28
18	474.88
19	477.48
20	480.08

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106152-484 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW152-484-202

Date Sampled: 04-16-2020 **Time Sampled:** 0810 **Sampling Team:** G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GW152-484-202
Duplicate ID: (if applicable) GW152-484-602
COC#: COC-152-484-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106153-484 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW153-484-202

Well Information

Screen Interval Length (ft): 129
Previous Depth to Water (MRP): 472.07 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 116.78 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 484.29 ft MRP
Top of Screen: 355.29 ft MRP
Bottom of Screen: 484.29 ft MRP

Deployment Team: G-Begaye, J-Livingston

Date Deployed: 03-20-2020 Time Deployed: 0837

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 471.50

Measure Water Level

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

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

Notes:
Surveyed by High Mesa January 2018

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
10	454.09
11	456.69
12	459.29
13	461.89
14	464.49
15	467.09
16	469.69
17	472.29
18	474.89
19	477.49
20	480.09

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106153-484 **Sampling**

Year: 2020
Quarter: 2
Sample ID: GW153-484-202

Date Sampled: 04-16-2020 Time Sampled: 1355 Sampling Team: G. Begaye, P. Serrant

PID Reading: 2.40 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W1h0004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GW153-484-202
Duplicate ID: (if applicable) GW153-484-602
COC#: COC-153-484-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106201 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW201-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 479.31 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -10.34

Well Depth: 524.65 ft MRP
Top of Screen: 489.65 ft MRP
Bottom of Screen: 519.65 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 0846

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 479.31

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27 AS /2020

Sampler Number:	Top of Sampler Depth (MRP)
1	490.35
2	492.95
3	495.55
4	498.15
5	500.75
6	503.35
7	505.95
8	508.55
9	511.15
10	513.75

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106201 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW201-202

Date Sampled: 04-07-2020 Time Sampled: 0815 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW201-202
Duplicate ID: (if applicable) GW201-602
COC#: COC-201-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106202 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW202-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 480.37 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -39.52

Well Depth: 539.90 ft MRP
Top of Screen: 519.90 ft MRP
Bottom of Screen: 534.90 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 03-17-2020 Time Deployed: 0830

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 480.37

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	520.60
2	523.20
3	525.80
4	528.40
5	531.00

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106202 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW202-202

Date Sampled: 04-07-2020 Time Sampled: 0850 Sampling Team: G-Begaye, P. Ferrant

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW202-202
Duplicate ID: (if applicable) GW202-602
COC#: COC-202-202

Reviewed by: Amanda Smith

Review Date: 4/27/2026

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106203 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW203-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 480.77 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -142.31

Well Depth: 643.08 ft MRP
Top of Screen: 623.08 ft MRP
Bottom of Screen: 638.08 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 0905

PID: MiniRAE 3000 Serial No: W40004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 480.77

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	623.78
2	626.38
3	628.98
4	631.58
5	634.18

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106203 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW203-202

Date Sampled: 04-07-2020 Time Sampled: 0915 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW203-202
Duplicate ID: (if applicable) GW203-602
COC#: COC-203-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106204 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW204-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 454.85 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -7.65

Well Depth: 497.50 ft MRP
Top of Screen: 462.50 ft MRP
Bottom of Screen: 492.50 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 Time Deployed: 0926

PID: MiniRAE 3000 Serial No: WH00106

Water Level Meter: Solinst 500 ft Serial No:

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	463.20
2	465.80
3	468.40
4	471.00
5	473.60
6	476.20
7	478.80
8	481.40
9	484.00
10	486.60

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW204-202

Well Location ID: KAFB-106204 *Sampling*

Date Sampled: 4-7-2020 Time Sampled: 1111 Sampling Team: JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W/40005

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

Notes:

Sample ID: GW204-202
Duplicate ID: (if applicable) GW204-602
COC#: COC-204-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106205 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW205-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 455.21 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -37.29

Well Depth: 512.50 ft MRP
Top of Screen: 492.50 ft MRP
Bottom of Screen: 507.50 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 Time Deployed: 0900

PID: MiniRAE 3000 Serial No: 592-915579

Water Level Meter: Solinst 500 ft Serial No:

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? NP

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	493.20
2	495.80
3	498.40
4	501.00
5	503.60

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106205 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW205-202

Date Sampled: 4-7-2020 Time Sampled: 1031 Sampling Team: JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

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

6mm

PID: MiniRAE 3000 Serial No: 440005

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

Notes:

Sample ID: GW205-202
Duplicate ID: (if applicable) GW205-602
COC#: COC-205-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106206 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW206-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 455.33 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -138.17

Well Depth: 613.20 ft MRP
Top of Screen: 593.50 ft MRP
Bottom of Screen: 608.20 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 Time Deployed: 0830

PID: MiniRAE 3000 Serial No: 592-915579

Water Level Meter: Solinst 500 ft Serial No:

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? NP
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	594.20
2	596.80
3	599.40
4	602.00
5	604.60

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW206-202

Well Location ID: KAFB-106206 *Sampling*

Date Sampled: 4-7-2020 Time Sampled: 1003 Sampling Team: DS + JM

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 401205

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

Notes:

Sample ID: GW206-202
Duplicate ID: (if applicable) GW206-602
COC#: COC-206-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106207 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW207-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 465.41 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -7.59

Well Depth: 508.00 ft MRP
Top of Screen: 473.00 ft MRP
Bottom of Screen: 503.00 ft MRP

Deployment Team: J. Livingston, D. Schmeltz

Date Deployed: 3/19/2020 Time Deployed: 0749

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes: —

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	473.70
2	476.30
3	478.90
4	481.50
5	484.10
6	486.70
7	489.30
8	491.90
9	494.50
10	497.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106207 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW207-202

Date Sampled: 4-10-2020 Time Sampled: 0853 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: 417000 5

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

Sample ID: GW207-202
Duplicate ID: (if applicable) GW207-602
COC#: COC-207-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106208 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW208-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 465.11 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -37.89

Well Depth: 523.00 ft MRP
Top of Screen: 503.00 ft MRP
Bottom of Screen: 518.00 ft MRP

Deployment Team: DS & JL

Date Deployed: 3-19-2020 Time Deployed: 0816

PID: MiniRAE 3000 Serial No: W10004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number	Top of Sampler Depth (MRP)
1	503.70
2	506.30
3	508.90
4	511.50
5	514.10

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106208 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW208-202

Date Sampled: 4-10-2020 **Time Sampled:** 0921 **Sampling Team:** JM + DS

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

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)

Choose only one

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

Duplicate sample required.

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW208-202
Duplicate ID: (if applicable) GW208-602
COC#: COC-208-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106209 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW209-202

Well Information

Screen Interval Length (ft): 14
Previous Depth to Water (MRP): 464.47 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -138.53

Well Depth: 622.00 ft MRP
Top of Screen: 603.00 ft MRP
Bottom of Screen: 617.00 ft MRP

Deployment Team: J. Livingston, D. Schmeltz

Date Deployed: 3/19/2020 Time Deployed: 0847

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

~~MS/MSD required. Please deploy extra DMS as needed~~ Per Amanda

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

Notes: —

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	603.70
2	606.30
3	608.90
4	611.50
5	614.10

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106209 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW209-202

Date Sampled: 4-10-2020 Time Sampled: 0951 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: W410005

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

Notes:

Sample ID: GW209-202
Duplicate ID: (if applicable) GW209-602
COC#: COC-209-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106212 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW212-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 445.43 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -97.80

Well Depth: 563.43 ft MRP
Top of Screen: 543.23 ft MRP
Bottom of Screen: 558.23 ft MRP

Deployment Team: G-Begaye, P. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 1110

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 445.43

DMS Tether and Reel ID match Well ID? QB

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	543.93
2	546.53
3	549.13
4	551.73
5	554.33

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106212 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW212-202

Date Sampled: 04-08-2020 **Time Sampled:** 1330 **Sampling Team:** G. Begaye, A. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 401004

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

Notes:

Sample ID: GW212-202
Duplicate ID: (if applicable) GW212-602
COC#: COC-212-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106213 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW213-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 448.24 **(Gauged on 1/22/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): 0.24 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 483.40 ft MRP
Top of Screen: 448.00 ft MRP
Bottom of Screen: 478.00 ft MRP

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-18-2020 **Time Deployed:** 1030

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Solinst 500 ft **Serial No:** 253053

PID Reading: 0.0 ppm

Depth to Water: 447.45
Measure Water Level

DMS Tether and Reel ID match Well ID? QB
Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	448.70
2	451.30
3	453.90
4	456.50
5	459.10
6	461.70
7	464.30
8	466.90
9	469.50
10	472.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106213 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW213-202

Date Sampled: 04-08-2020 **Time Sampled:** 1100 **Sampling Team:** G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

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

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW213-202
Duplicate ID: (if applicable) GW213-602
COC#: COC-213-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106214 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW214-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 448.28 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -29.97

Well Depth: 498.15 ft MRP
Top of Screen: 478.25 ft MRP
Bottom of Screen: 492.75 ft MRP

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 1005

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 448.28

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	478.95
2	481.55
3	484.15
4	486.75
5	489.35

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106214 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW214-202

Date Sampled: 04-08-2020 Time Sampled: 1040 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW214-202
Duplicate ID: (if applicable) GW214-602
COC#: COC-214-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106215 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW215-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 448.51 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -98.49

Well Depth: 567.00 ft MRP
Top of Screen: 547.00 ft MRP
Bottom of Screen: 562.00 ft MRP

Deployment Team: G. Bogaye, P. Ferrari

Date Deployed: 03-18-2020 Time Deployed: 0945

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 448.51

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1 GB	547.70
2	550.30
3	552.90
4	555.50
5	558.10

Depths highlighted blue represent submerged samplers based on previous water level

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

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

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106215 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW215-202

Date Sampled: 04-08-2020 Time Sampled: 1015 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW215-202
Duplicate ID: (if applicable) GW215-602
COC#: COC-215-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106216 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW216-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 456.91 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 1.41 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 490.50 ft MRP
Top of Screen: 455.50 ft MRP
Bottom of Screen: 485.50 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 0951

PID: MiniRAE 3000 Serial No: WH000 H AS

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 455.84
Measure Water Level

DMS Tether and Reel ID match Well ID? JRL
Initial to confirm that ID check was completed

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

MS/MSD required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	456.20
2	458.80
3	461.40
4	464.00
5	466.60
6	469.20
7	471.80
8	474.40
9	477.00
10	479.60

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW216-202

Well Location ID: KAFB-106216 *Sampling*

Date Sampled: 04-07-2020 Time Sampled: 1310 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

MS/MSD required.

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW216-202
Duplicate ID: (if applicable) GW216-602
COC#: COC-216-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106217 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW217-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 456.81 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -28.19

Well Depth: 505.00 ft MRP
Top of Screen: 485.00 ft MRP
Bottom of Screen: 500.00 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 1013

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 456.81

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	485.70
2	488.30
3	490.90
4	493.50
5	496.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106217 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW217-202

Date Sampled: 04-07-2020 Time Sampled: 1230 Sampling Team: G. Begaye, P. Serrani

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW217-202
Duplicate ID: (if applicable) GW217-602
COC#: COC-217-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106218 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW218-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 456.95 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -95.05

Well Depth: 572.45 ft MRP
Top of Screen: 552.00 ft MRP
Bottom of Screen: 567.00 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 1031

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 456.95

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	552.70
2	555.30
3	557.90
4	560.50
5	563.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106218 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW218-202

Date Sampled: 04-07-2020 Time Sampled: 1200 Sampling Team: G. Begaye, P. Serrart

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: WH0004

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

Sample ID: GW218-202
Duplicate ID: (if applicable) GW218-602
COC#: COC-218-202

Notes: Small bubbles in EDB vials, attempted to remove

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106219 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW219-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 462.77 **(Gauged on 1/20/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): 0.07 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 497.90 ft MRP
Top of Screen: 462.70 ft MRP
Bottom of Screen: 492.70 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 **Time Deployed:** 1422

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Geotech Interface Probe ~~Solinst 500 ft~~ **Serial No:** 001

PID Reading: 0.0 ppm

Depth to Water: 461.89

Measure Water Level

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith **Review Date:** 4/27/2020

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	463.40
2	466.00
3	468.60
4	471.20
5	473.80
6	476.40
7	479.00
8	481.60
9	484.20
10	486.80

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106219 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW219-202

Date Sampled: 04-07-2020 **Time Sampled:** 1010 **Sampling Team:** G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW219-202
Duplicate ID: (if applicable) GW219-602
COC#: COC-219-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106220 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW220-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 462.74 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -30.26

Well Depth: 513.00 ft MRP
Top of Screen: 493.00 ft MRP
Bottom of Screen: 508.00 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 1205

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 462.74

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	493.70
2	496.30
3	498.90
4	501.50
5	504.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW220-202

Well Location ID: KAFB-106220 *Sampling*

Date Sampled: 04-07-2020 Time Sampled: 1040 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW220-202
Duplicate ID: (if applicable) GW220-602
COC#: COC-220-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106221 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW221-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 462.53 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -98.47

Well Depth: 581.00 ft MRP
Top of Screen: 561.00 ft MRP
Bottom of Screen: 576.00 ft MRP

Deployment Team: B. Begaye, J. Livingston

Date Deployed: 3/17/2020 Time Deployed: 1221

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 462.53

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	561.70
2	564.30
3	566.90
4	569.50
5	572.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106221 **Sampling**

Year: 2020
Quarter: 2
Sample ID: GW221-202

Date Sampled: 04-07-2020 Time Sampled: 1100 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Sample ID: GW221-202
Duplicate ID: (if applicable) GW221-602
COC#: COC-221-202

Notes: small bubbles in EDB vials, attempted to remove

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106222 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW222-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 455.74 **(Gauged on 1/20/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -2.06 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 493.20 ft MRP
Top of Screen: 457.80 ft MRP
Bottom of Screen: 487.80 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 **Time Deployed:** 1242

PID: MiniRAE 3000 **Serial No:** WH00006

Water Level Meter: ~~Solinst 500 ft~~ GeoTech Interface Probe NP **Serial No:** ~~WH00006~~ NP 0001

PID Reading: 0.0 ppm

Depth to Water: 454.79

Measure Water Level

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

MS/MSD required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith **Review Date:** 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	458.50
2	461.10
3	463.70
4	466.30
5	468.90
6	471.50
7	474.10
8	476.70
9	479.30
10	481.90

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106222 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW222-202

Date Sampled: 4-7-2020 **Time Sampled:** 0911 **Sampling Team:** JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

MS/MSD required.

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW222-202
Duplicate ID: (if applicable) GW222-602
COC#: COC-222-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106223 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW223-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 456.46 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -31.34

Well Depth: 508.00 ft MRP
Top of Screen: 487.80 ft MRP
Bottom of Screen: 502.80 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 Time Deployed: 1202

PID: MiniRAE 3000 Serial No: WH00006

Water Level Meter: GeoTech Interface Probe ~~Solinst 500 ft~~ AS Serial No: 0001

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	488.50
2	491.10
3	493.70
4	496.30
5	498.90

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106223 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW223-202

Date Sampled: 4-7-2020 Time Sampled: 0840 Sampling Team: D. Schmeelk, J. Messenger

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W408005

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

Notes:

Sample ID: GW223-202
Duplicate ID: (if applicable) GW223-602
COC#: COC-223-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106224 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW224-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 457.60 **(Gauged on 1/20/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -97.40

Well Depth: 575.50 ft MRP
Top of Screen: 555.00 ft MRP
Bottom of Screen: 570.00 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 **Time Deployed:** 1325

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Solinst 500 ft **Serial No:** —

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith **Review Date:** 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	555.70
2	558.30
3	560.90
4	563.50
5	566.10

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106224 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW224-202

Date Sampled: 4-7-2020 Time Sampled: 0811 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W400935

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

Sample ID: GW224-202
Duplicate ID: (if applicable) GW224-602
COC#: COC-224-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106225 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW225-202

Well Information

Screen Interval Length (ft): 30
Previous Depth to Water (MRP): 449.32 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -0.68 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 485.20 ft MRP
Top of Screen: 450.00 ft MRP
Bottom of Screen: 480.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 Time Deployed: 1220

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: GT 0001

PID Reading: 0.0 ppm

Depth to Water: 448.38
Measure Water Level

DMS Tether and Reel ID match Well ID? JM
Initial to confirm that ID check was completed

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

Duplicate sample required. Please deploy extra DMS as needed

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	450.70
2	453.30
3	455.90
4	458.50
5	461.10
6	463.70
7	466.30
8	468.90
9	471.50
10	474.10

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106225 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW225-202

Date Sampled: 4-6-2020 Time Sampled: 1308 Sampling Team: JM+DS

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

Type of Analysis (circle appropriate)

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

Duplicate sample required.

PID: MiniRAE 3000 Serial No: 417005

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

Sample ID: GW225-202
Duplicate ID: (if applicable) GW225-602
COC#: COC-225-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106226 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW226-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 449.94 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -30.06

Well Depth: 500.00 ft MRP
Top of Screen: 480.00 ft MRP
Bottom of Screen: 495.00 ft MRP

Deployment Team: JM - DS

Date Deployed: 3/16/2020 Time Deployed: 1235

PID: MiniRAE 3000 Serial No: 471006

Water Level Meter: Solinst 500 ft Serial No: GT 0001

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JM
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	480.70
2	483.30
3	485.90
4	488.50
5	491.10
6	493.70

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106226 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW226-202

Date Sampled: 4-6-2020 **Time Sampled:** 1221 **Sampling Team:** JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

Choose only one

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

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW226-202
Duplicate ID: (if applicable) GW226-602
COC#: COC-226-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106227 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW227-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 450.69 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -97.31

Well Depth: 568.50 ft MRP
Top of Screen: 548.00 ft MRP
Bottom of Screen: 563.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 Time Deployed: 1250

PID: MiniRAE 3000 Serial No: WH0206

Water Level Meter: Solinst 500 ft Serial No: GT 0001

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JM

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	548.70
2	551.30
3	553.90
4	556.50
5	559.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106227 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW227-202

Date Sampled: 4-6-2020 **Time Sampled:** 1150 **Sampling Team:** JM + DS

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

Type of Analysis (circle appropriate)

Sampler Number: (shallow to deep)

Choose only one

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

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW227-202
Duplicate ID: (if applicable) GW227-602
COC#: COC-227-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106229 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW229-202

Well Information

Screen Interval Length (ft): 100
Previous Depth to Water (MRP): 436.71 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 5.71 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 536.00 ft MRP
Top of Screen: 431.00 ft MRP
Bottom of Screen: 531.00 ft MRP

Deployment Team: NP, DS

Date Deployed: 3-17-2020 Time Deployed: 1525

PID: MiniRAE 3000 Serial No: Wh006

Water Level Meter: ~~Solinst 500 ft~~ NP GeoTech Interface Probe Serial No: #001

PID Reading: 0.0 ppm

Depth to Water: 435.97

Measure Water Level

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- EDB

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	431.70
2 ▽	434.30
3	436.90
4	439.50
5	442.10
6	444.70
7	447.30
8	449.90
9	452.50
10	455.10
11	457.70
12	460.30
13	462.90
14	465.50

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW229-202

Well Location ID: KAFB-106229 *Sampling*

Date Sampled: 4-7-2020 Time Sampled: 1238 AS Sampling Team: JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: W408005

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

Notes:

Sample ID: GW229-202
Duplicate ID: (if applicable) GW229-602
COC#: COC-229-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

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Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106230 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW230-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 446.76 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -54.24

Well Depth: 521.00 ft MRP
Top of Screen: 501.00 ft MRP
Bottom of Screen: 516.00 ft MRP

Deployment Team: D. Schmeelk, N. Peterson

Date Deployed: 3-20-2020 Time Deployed: 0915

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: ———

PID Reading: * 0.0 ppm

Depth to Water: ———

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number: ▽	Top of Sampler Depth (MRP)
1	501.70
2	504.30
3	506.90
4	509.50
5	512.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2026

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106230 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW230-202

Date Sampled: 4-10-2020 **Time Sampled:** 0821 **Sampling Team:** JM + DS

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: W40005

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

Notes:

Sample ID: GW230-202
Duplicate ID: (if applicable) GW230-602
COC#: COC-230-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106231 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW231-202

Well Information

Screen Interval Length (ft): 35
Previous Depth to Water (MRP): 449.17 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 9.17 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 480.00 ft MRP
Top of Screen: 440.00 ft MRP
Bottom of Screen: 475.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 Time Deployed: 1045

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: GT 0001

PID Reading: 0.0 ppm

Depth to Water: 448.65

Measure Water Level

DMS Tether and Reel ID match Well ID? JM

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	440.70
2	443.30
3	445.90
4	448.50
5	451.10
6	453.70
7	456.30
8	458.90
9	461.50
10	464.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/29/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106231 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW231-202

Date Sampled: 04-06-2020 Time Sampled: 1130 Sampling Team: G. Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W H0004

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

Sample ID: GW231-202
Duplicate ID: (if applicable) GW231-602
COC#: COC-231-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106232 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW232-202

Well Information

Screen Interval Length (ft): 15
Previous Depth to Water (MRP): 448.69 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -54.31

Well Depth: 523.00 ft MRP
Top of Screen: 503.00 ft MRP
Bottom of Screen: 518.00 ft MRP

Deployment Team: JM+DS

Date Deployed: 3/16/2020 Time Deployed: 1105

PID: MiniRAE 3000 Serial No: 401006

Water Level Meter: Solinst 500 ft Serial No: GT 0001

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JM
Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	503.70
2	506.30
3	508.90
4	511.50
5	514.10

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106232 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW232-202

Date Sampled: 04-06-2020 Time Sampled: 1155 Sampling Team: G. Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Sample ID: GW232-202
Duplicate ID: (if applicable) GW232-602
COC#: COC-232-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-438 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW235-438-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 438.48 **(Gauged on 1/21/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): 0.48 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 465.00 ft MRP
Top of Screen: 438.00 ft MRP
Bottom of Screen: 463.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 **Time Deployed:** 0940

PID: MiniRAE 3000 **Serial No:** w H0006

Water Level Meter: Solinst 500 ft **Serial No:** GT 0001

PID Reading: 0.0 ppm

Depth to Water: 437.51'

Measure Water Level

DMS Tether and Reel ID match Well ID? JM

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	438.70
2	441.30
3	443.90
4	446.50
5	449.10
6	451.70
7	454.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-438 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW235-438-202

Date Sampled: 4-6-2020 Time Sampled: 0955 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: 247002 25

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

Sample ID: GW235-438-202
Duplicate ID: (if applicable) GW235-438-602
COC#: COC-235-438-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-472 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW235-472-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 438.49 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -33.51

Well Depth: 494.00 ft MRP
Top of Screen: 472.00 ft MRP
Bottom of Screen: 492.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 Time Deployed: 0955

PID: MiniRAE 3000 Serial No: W40006

Water Level Meter: Solinst 500 ft Serial No: 6T 0001

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JM
Initial to confirm that ID check was completed

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

MS/MSD required. Please deploy extra DMS as needed

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	472.70
2	475.30
3	477.90
4	480.50
5	483.10
6	485.70
7	488.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-472 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW235-472-202

Date Sampled: 4-6-2020 Time Sampled: 1020 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

6mm

MS/MSD required.

PID: MiniRAE 3000 Serial No: 104000025

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

Notes:

Sample ID: GW235-472-202
Duplicate ID: (if applicable) GW235-472-602
COC#: COC-235-472-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-501 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW235-501-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 438.46 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -62.54

Well Depth: 523.00 ft MRP
Top of Screen: 501.00 ft MRP
Bottom of Screen: 521.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 Time Deployed: 1010

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: GT 0001

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JM
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	501.70
2	504.30
3	506.90
4	509.50
5	512.10
6	514.70
7	517.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-501 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW235-501-202

Date Sampled: 4-6-2020 **Time Sampled:** 1055 **Sampling Team:** J. Messenger, D. Schmeelk

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0005

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

Notes:

Sample ID: GW235-501-202
Duplicate ID: (if applicable) GW235-501-602
COC#: COC-235-501-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-436 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW236-436-202

Well Information

Screen Interval Length (ft): 25
Previous Depth to Water (MRP): 438.15 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 2.15 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 463.00 ft MRP
Top of Screen: 436.00 ft MRP
Bottom of Screen: 461.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 Time Deployed: 0835

PID: MiniRAE 3000 Serial No: 592-915579

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

PID Reading: 0.0 ppm

Depth to Water: 437.23
Measure Water Level

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

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

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	436.70
2	439.30
3	441.90
4	444.50
5	447.10
6	449.70
7	452.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW236-436-202

Well Location ID: KAFB-106236-436 *Sampling*

Date Sampled: 4-6-2020 Time Sampled: 0820 Sampling Team: JM + DS

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

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: 401000S

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

Sample ID: GW236-436-202
Duplicate ID: (if applicable) GW236-436-602
COC#: COC-236-436-202

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-470 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW236-470-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 438.13 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): -31.87

Well Depth: 492.00 ft MRP
Top of Screen: 470.00 ft MRP
Bottom of Screen: 490.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 Time Deployed: 0848 ~~5579~~ JM ~~WH0246~~ JM

PID: MiniRAE 3000 Serial No: ~~GT 004~~ JM WH0006

Water Level Meter: Solinst 500 ft Serial No: GT 001

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JM
Initial to confirm that ID check was completed

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

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

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	470.70
2	473.30
3	475.90
4	478.50
5	481.10
6	483.70
7	486.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Year: 2020
Quarter: 2
Sample ID: GW236-470-202

Well Location ID: KAFB-106236-470 *Sampling*

Date Sampled: 4-6-2020 Time Sampled: 0840 Sampling Team: JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 401220 5

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

Notes:

Sample ID: GW236-470-202
Duplicate ID: (if applicable) GW236-470-602
COC#: COC-236-470-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-499 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW236-499-202

Well Information

Screen Interval Length (ft): 20
Previous Depth to Water (MRP): 438.15 **(Gauged on 1/20/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): -60.85

Well Depth: 521.00 ft MRP
Top of Screen: 499.00 ft MRP
Bottom of Screen: 519.00 ft MRP

Deployment Team: JM + DS

Date Deployed: 3/16/2020 **Time Deployed:** 0902

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Solinst 500 ft **Serial No:** GT 0001

PID Reading: 0.0 ppm

Depth to Water: —

DMS Tether and Reel ID match Well ID? JM

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	499.70
2	502.30
3	504.90
4	507.50
5	510.10
6	512.70
7	515.30

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith **Review Date:** 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-499 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW236-499-202

Date Sampled: 4-6-2020 Time Sampled: 0910 Sampling Team: JM + DS

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 476005

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

Sample ID: GW236-499-202
Duplicate ID: (if applicable) GW236-499-602
COC#: COC-236-499-202

Notes:

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106240-449 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW240-449-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 470.21 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 21.17 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 491.04 ft MRP
Top of Screen: 449.04 ft MRP
Bottom of Screen: 489.04 ft MRP

Deployment Team: J. Livingston, D. Schmeltz

Date Deployed: 3/19/2020 Time Deployed: 1040

PID: MiniRAE 3000 Serial No: WH0004

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

PID Reading: 0.0 ppm

Depth to Water: 469.63

Measure Water Level

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

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

MS/MSD
Per Amanda Smith

Analyte(s):

-
- Alkalinity
- BTEX
- Anions
- Dissolved Metals
- EDB
- NO3/NO2-N
- Total Metals

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	449.74
2	452.34
3	454.94
4	457.54
5	460.14
6	462.74
7	465.34
8	467.94
9	470.54
10	473.14
11	475.74
12	478.34
13	480.94
14	483.54

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106240-449 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW240-449-202

Date Sampled: 4-9-2020 **Time Sampled:** 0949 **Sampling Team:** DS + JM

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

Type of Analysis (circle appropriate)

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

6mm

MS/MSD required.

PID: MiniRAE 3000 Serial No: W+00005

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

Notes:

Sample ID: GW240-449-202
Duplicate ID: (if applicable) GW240-449-602
COC#: COC-240-449-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106241-428 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW241-428-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 447.15 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 19.05 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 470.10 ft MRP
Top of Screen: 428.10 ft MRP
Bottom of Screen: 468.10 ft MRP

Deployment Team: J. Livingston, D. Schmeltz

Date Deployed: 3/19/2020 Time Deployed: 1150

PID: MiniRAE 3000 Serial No: WH0004

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

PID Reading: 0.0 ppm

Depth to Water: 446.50

Measure Water Level

DMS Tether and Reel ID match Well ID? JRL

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	428.80
2	431.40
3	434.00
4	436.60
5	439.20
6	441.80
7	444.40
8	447.00
9	449.60
10	452.20
11	454.80
12	457.40
13	460.00
14	462.60

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106241-428 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW241-428-202

Date Sampled: 4-9-2020 Time Sampled: 0811 Sampling Team: DS-JM

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

PID: MiniRAE 3000 Serial No: 476005

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

Notes:

Sample ID: GW241-428-202
Duplicate ID: (if applicable) GW241-428-602
COC#: COC-241-428-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106242-418** ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW242-418-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 438.88 (Gauged on 1/21/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 20.74 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 460.14 ft MRP
Top of Screen: 418.14 ft MRP
Bottom of Screen: 458.14 ft MRP

Deployment Team: G. Begaye, P. Ferrari

Date Deployed: 03-16-2020 Time Deployed: 0930

PID: MiniRAE 3000 Serial No: WH0004

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 438.21

Measure Water Level

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	418.84
2	421.44
3	424.04
4	426.64
5	429.24
6	431.84
7	434.44
8	437.04 ≤ 438.21
9	439.64
10	442.24
11	444.84
12	447.44
13	450.04
14	452.64

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106242-418 **Sampling**

Year: 2020
Quarter: 2
Sample ID: GW242-418-202

Date Sampled: 04-06-2020 Time Sampled: 1455 Sampling Team: G. Begaye, C. Landers

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW242-418-202
Duplicate ID: (if applicable) GW242-418-602
COC#: COC-242-418-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106243-425** ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW243-425-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 443.46 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 18.42 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 467.54 ft MRP
Top of Screen: 425.04 ft MRP
Bottom of Screen: 465.04 ft MRP

Deployment Team: G-Begaye

Date Deployed: 03-19-2020 Time Deployed: 1105

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 442.70
Measure Water Level

DMS Tether and Reel ID match Well ID? GB
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	425.74
2	428.34
3	430.94
4	433.54
5	436.14
6	438.74
7	441.34
8	443.94
9	446.54
10	449.14
11	451.74
12	454.34
13	456.94
14	459.54

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106243-425 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW243-425-202

Date Sampled: 04-09-2020 **Time Sampled:** 0830 **Sampling Team:** G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW243-425-202
Duplicate ID: (if applicable) GW243-425-602
COC#: COC-243-425-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106244-445 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW244-445-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 466.14 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 21.05 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 487.09 ft MRP
Top of Screen: 445.09 ft MRP
Bottom of Screen: 485.09 ft MRP

Deployment Team: G-Begaye

Date Deployed: 03-19-2020 Time Deployed: 1215

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 465.34

Measure Water Level

DMS Tether and Reel ID match Well ID? GB

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	445.79
2	448.39
3	450.99
4	453.59
5	456.19
6	458.79
7	461.39
8	463.99
9	466.59
10	469.19
11	471.79
12	474.39
13	476.99
14	479.59

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106244-445 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW244-445-202

Date Sampled: 04-09-2020 Time Sampled: 1105 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH 0004

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

Notes:

Sample ID: GW244-445-202
Duplicate ID: (if applicable) GW244-445-602
COC#: COC-244-445-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: **KAFB-106245-460** ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GW245-460-202

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 484.11 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 20.44 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 505.67 ft MRP
Top of Screen: 463.67 ft MRP
Bottom of Screen: 503.67 ft MRP

Deployment Team: G Begaye, D. Schmeelk

Date Deployed: 03-19-2020 Time Deployed: 1415

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 483.36

Measure Water Level

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	-
	- Alkalinity
	- BTEX
	- Anions
	- Dissolved Metals
	- EDB
	- NO3/NO2-N
	- Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	464.37
2	466.97
3	469.57
4	472.17
5	474.77
6	477.37
7	479.97
8	482.57
9	485.17
10	487.77
11	490.37
12	492.97
13	495.57
14	498.17

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106245-460 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GW245-460-202

Date Sampled: 04-09-2020 Time Sampled: 1225 Sampling Team: G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: 417004

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

Notes:

Sample ID: GW245-460-202
Duplicate ID: (if applicable) GW245-460-602
COC#: COC-245-460-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106247-450 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GW247-450-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 474.85 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 21.53 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 495.64 ft MRP
Top of Screen: 453.32 ft MRP
Bottom of Screen: 493.32 ft MRP

Deployment Team: G-Begaye, D. Schmeelk

Date Deployed: 03-19-2020 Time Deployed: 1320

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 3.30 ppm

Depth to Water: 473.92
Measure Water Level

DMS Tether and Reel ID match Well ID? CB
Initial to confirm that ID check was completed

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

Analyte(s):
-
- Alkalinity
- BTEX
- BTEX
- Anions
- Dissolved Metals
- EDB
- Total Metals

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	454.02
2	456.62
3	459.22
4	461.82
5	464.42
6	467.02
7	469.62
8	472.22
9	474.82
10	477.42
11	480.02
12	482.62
13	485.22
14	487.82

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106247-450 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GW247-450-202

Date Sampled: 04-09-2020 **Time Sampled:** 1355 **Sampling Team:** G. Begaye, P. Ferrari

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GW247-450-202
Duplicate ID: (if applicable) GW247-450-602
COC#: COC-247-450-202

Reviewed by: Amanda Smith

Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S1-447 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GWS1-447-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 468.01 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 21.01 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 489.99 ft MRP
Top of Screen: 447.00 ft MRP
Bottom of Screen: 487.00 ft MRP

Deployment Team: Galveston Begaye & Dylan Schmeelk

Date Deployed: 3-19-2020 Time Deployed: 1515

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 1.50 ppm

Depth to Water: 467.39

Measure Water Level

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

QC sample notes. (If blank, no QC samples required):	Analyte(s):
	-
	- Alkalinity
	- BTEX
	- Anions
	- Dissolved Metals
	- EDB
	- NO3/NO2-N
	- Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	447.70
2	450.30
3	452.90
4	455.50
5	458.10
6	460.70
7	463.30
8	465.90
9	468.50
10	471.10
11	473.70
12	476.30
13	478.90
14	481.50

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S1-447 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GWS1-447-202

Date Sampled: 04-09-2020 Time Sampled: 1425 Sampling Team: G. Begaye, P. Ferrari

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W40004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS1-447-202
Duplicate ID: (if applicable) GWS1-447-602
COC#: COC-S1-447-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S2-451 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GWS2-451-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 475.22 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 20.99 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 496.90 ft MRP
Top of Screen: 454.23 ft MRP
Bottom of Screen: 494.23 ft MRP

Deployment Team: DS & GB

Date Deployed: 3-19-2020 Time Deployed: 1455

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 3.6 ppm

Depth to Water: 474.55
Measure Water Level

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	454.93
2	457.53
3	460.13
4	462.73
5	465.33
6	467.93
7	470.53
8	473.13
9	475.73
10	478.33
11	480.93
12	483.53
13	486.13
14	488.73

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S2-451 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GWS2-451-202

Date Sampled: 04-09-2020 Time Sampled: 1510 Sampling Team: G. Begaye, P. Ferrari

PID Reading: 5.6 DMS Tether and Reel ID match Well ID? GB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS2-451-202
Duplicate ID: (if applicable) GWS2-451-602
COC#: COC-S2-451-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S3-449 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GWS3-449-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 474.31 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 22.13 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 494.42 ft MRP
Top of Screen: 452.18 ft MRP
Bottom of Screen: 492.18 ft MRP

Deployment Team: G. Begaye, J. Livingston

Date Deployed: 03-20-2020 Time Deployed: 1000

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 0.0 ppm

Depth to Water: 473.81
Measure Water Level

DMS Tether and Reel ID match Well ID? JRL
Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	452.88
2	455.48
3	458.08
4	460.68
5	463.28
6	465.88
7	468.48
8	471.08
9	473.68
10	476.28
11	478.88
12	481.48
13	484.08
14	486.68

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S3-449 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GWS3-449-202

Date Sampled: 04-10-2020 Time Sampled: 1005 Sampling Team: G. Begaye, J. Livingston

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: W.K00004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS3-449-202
Duplicate ID: (if applicable) GWS3-449-602
COC#: COC-S3-449-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S4-446 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GWS4-446-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 469.13 (Gauged on 1/22/2020) LNAPL NOT detected during prior gauging
Length of Screen not submerged (ft): 19.90 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 491.73 ft MRP
Top of Screen: 449.23 ft MRP
Bottom of Screen: 489.23 ft MRP

Deployment Team: G-Begaye, D. Schmeelk

Date Deployed: 03-19-2020 Time Deployed: 1349

PID: MiniRAE 3000 Serial No: WH0006

Water Level Meter: Solinst 500 ft Serial No: 253053

PID Reading: 0.0 ppm

Depth to Water: 468.57

Measure Water Level

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

Notes:

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

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

Sampler Number:	Top of Sampler Depth (MRP)
1	449.93
2	452.53
3	455.13
4	457.73
5	460.33
6	462.93
7	465.53
8	468.13
9	470.73
10	473.33
11	475.93
12	478.53
13	481.13
14	483.73

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S4-446 ***Sampling***

Year: 2020
Quarter: 2
Sample ID: GWS4-446-202

Date Sampled: 04-09-2020 **Time Sampled:** 1300 **Sampling Team:** G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

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

Notes:

Sample ID: GWS4-446-202
Duplicate ID: (if applicable) GWS4-446-602
COC#: COC-S4-446-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S5-446 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GWS5-446-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 466.30 **(Gauged on 1/22/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): 20.22 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 488.32 ft MRP
Top of Screen: 446.08 ft MRP
Bottom of Screen: 486.08 ft MRP

Deployment Team: D. Schmeelk, J. Messenger

Date Deployed: 3-23-2020 **Time Deployed:** 1054

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Solinst 500 ft **Serial No:** 253056

PID Reading: 3.0 ppm

Depth to Water: 465.58

Measure Water Level

DMS Tether and Reel ID match Well ID? DS

Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith **Review Date:** 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	446.78
2	449.38
3	451.98
4	454.58
5	457.18
6	459.78
7	462.38
8	464.98
9	467.58
10	470.18
11	472.78
12	475.38
13	477.98
14	480.58

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S5-446 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GWS5-446-202

Date Sampled: 04-16-2020 **Time Sampled:** 0900 **Sampling Team:** G. Begaye, P. Ferrari

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS5-446-202
Duplicate ID: (if applicable) GWS5-446-602
COC#: COC-S5-446-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S7-451 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GWS7-451-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 471.78 **(Gauged on 1/22/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): 20.78 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth:	492.60	ft MRP
Top of Screen:	451.00	ft MRP
Bottom of Screen:	491.00	ft MRP

Deployment Team: G-Begaye, J-Livingston

Date Deployed: 03-20-2020 **Time Deployed:** 1335

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Solinst 500 ft **Serial No:** 253056

PID Reading: 0.0 ppm

Depth to Water: 471.29
Measure Water Level

DMS Tether and Reel ID match Well ID? JRL
Initial to confirm that ID check was completed

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

Analyte(s):
- Alkalinity
- BTEX
- Carbon Dioxide
- Anions
- Dissolved Metals
- EDB
- Methane
- NO3/NO2-N
- Total Metals

Sampler Number:	Top of Sampler Depth (MRP)
1	451.70
2	454.30
3	456.90
4	459.50
5	462.10
6	464.70
7	467.30
8	469.90
9	472.50
10	475.10
11	477.70
12	480.30
13	482.90
14	485.50

Depths highlighted blue represent submerged samplers based on previous water level

Notes:

☆ Add one (1) extra DMS due to past problems retrieving full DM samplers (4 total) (Deploy)

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S7-451 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GWS7-451-202

Date Sampled: 04-16-2020 Time Sampled: 0925 Sampling Team: G. Begaye, P. Ferrari

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

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **90-day Hazardous Waste Area**

Sample ID: GWS7-451-202
Duplicate ID: (if applicable) GWS7-451-602
COC#: COC-S7-451-202

Notes: 2 DMS bags recovered were torn ~~and unable to sample~~ ~~Alkalinity was unable to be sampled~~ GB All samples were taken, disregard the crossed out Alkalinity

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S8-451 *Deployment*

Year: 2020
Quarter: 2
Sample ID: GWS8-451-202

Well Information

Screen Interval Length (ft): 40
Previous Depth to Water (MRP): 474.30 **(Gauged on 1/22/2020)** **LNAPL NOT detected during prior gauging**
Length of Screen not submerged (ft): 20.08 **** *(Water level ≤5ft above top of screen or screen not submerged)*

Well Depth: 491.97 ft MRP
Top of Screen: 454.22 ft MRP
Bottom of Screen: 494.22 ft MRP

Deployment Team: S. Livingston, G. Begaye

Date Deployed: 3/20/2020 **Time Deployed:** 1236

PID: MiniRAE 3000 **Serial No:** WH0006

Water Level Meter: Solinst 500 ft **Serial No:** 253056

PID Reading: 0.0 ppm

Depth to Water: 473.86
Measure Water Level

DMS Tether and Reel ID match Well ID? SRL
Initial to confirm that ID check was completed

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

Analyte(s):
- Alkalinity
- BTEX
- Carbon Dioxide
- Anions
- Dissolved Metals
- EDB
- Methane
- NO3/NO2-N
- Total Metals

Notes:

Sampler Number:	Top of Sampler Depth (MRP)
1	454.92
2	457.52
3	460.12
4	462.72
5	465.32
6	467.92
7	470.52
8	473.12
9	475.72
10	478.32
11	480.92
12	483.52
13	486.12
14	488.72

Depths highlighted blue represent submerged samplers based on previous water level

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S8-451 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GWS8-451-202

Date Sampled: 04-10-2020 Time Sampled: 0925 Sampling Team: G. Begaye, J. Livingston

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

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS8-451-202
Duplicate ID: (if applicable) GWS8-451-602
COC#: COC-S8-451-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S9-447 ***Deployment***

Year: 2020
Quarter: 2
Sample ID: GWS9-447-202

Well Information

Screen Interval Length (ft): 40

Previous Depth to Water (MRP): 469.30 (Gauged on 1/20/2020) LNAPL NOT detected during prior gauging

Length of Screen not submerged (ft): 22.18 **** *(Water level <5ft above top of screen or screen not submerged)*

Well Depth: 489.49 ft MRP
Top of Screen: 447.12 ft MRP
Bottom of Screen: 487.12 ft MRP

Deployment Team: D. Schuelke, J. Messenger

Date Deployed: 3-23-2020 Time Deployed: 1210

PID: MiniRAE 3000 Serial No: WH00006

Water Level Meter: Solinst 500 ft Serial No: 253056

PID Reading: 4.8 ppm

Depth to Water: 468.29
Measure Water Level

DMS Tether and Reel ID match Well ID? DS
Initial to confirm that ID check was completed

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

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

Notes:

Reviewed by: Amanda Smith Review Date: 4/27/2020

Sampler Number:	Top of Sampler Depth (MRP)
1	447.82
2	450.42
3	453.02
4	455.62
5	458.22
6	460.82
7	463.42
8	466.02
9	468.62
10	471.22
11	473.82
12	476.42
13	479.02
14	481.62

Depths highlighted blue represent submerged samplers based on previous water level

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S9-447 *Sampling*

Year: 2020
Quarter: 2
Sample ID: GWS9-447-202

Date Sampled: 04-16-2020 Time Sampled: 1220 Sampling Team: G. Begaye, P. Ferrans

PID Reading: 0.4 DMS Tether and Reel ID match Well ID? AB *Initial to confirm that ID check was completed*

Sampler Number: (shallow to deep)

Type of Analysis (circle appropriate)

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

6mm

PID: MiniRAE 3000 Serial No: WH0004

IDW will be taken to: **90-day Hazardous Waste Area**

Notes:

Sample ID: GWS9-447-202
Duplicate ID: (if applicable) GWS9-447-602
COC#: COC-S9-447-202

Reviewed by: Amanda Smith Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-3411
Project No: 62599DM01
Samplers: J. Messenger P. Ferrari
Date: 4-24-2020
Crew Signature: John Messenger P Ferrari

Well Information

Well was NOT HAZARDOUS
SCREEN SUBMERGED on 1/20/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: GWTS/Pending Disposal Area
IDW Label: Green Non-hazardous

Well Depth: 506.06 ft MRP
Top of Screen: 480.06 ft MRP
Bottom of Screen: 505.06 ft MRP
Reference Elevation Interval: 4857

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present (circle one)? Yes (No)
LNAPL Thickness: — ft
LNAPL NOT observed during last gauging event: 1/20/2020

Previous Depth to water: ~~466.59~~ ~~366.59~~ JM 466.69 JM ft MRP
Depth to Water (DTW): 465.53 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No.: 1807B-752

Non-Dedicated Pump Depth: 482.06 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	18L100378
PID:	MiniRAE 3000	Serial No:	W H07005
Water Level Meter:	Solinst 500 ft	Serial No:	WH0012
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW3411-202
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW3411-602
Sampling Medium: Water
COC#: COC-3411-202

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-3411

Date: 4-24-2020

Purge Information and Field Parameter

Purge Start Time: 1010 Purge Rate: 0.780 L/min X 0.265 = 0.2067 gal/min

Description of first water purged: clear ; no odor

Drawdown Limit: 13.37 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	If >10,±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**466.69**	**0.26**	**19.2**	-------	**2.25**	**501.8**	**7.81**	**145.8**
1020	465.50	1.28	19.8	42.0	3.83	349.9	7.77	270.6
1025	465.51	1.30	19.9	33.3	3.03	360.5	7.85	266.1
1030	465.51	1.33	20.0	31.2	2.84	364.5	7.86	263.3
1035	465.52	1.17	20.0	33.3	3.02	365.0	7.87	261.1
~~1040~~	~~465.~~							JM
~~1045~~	~~465.~~							JM

Sample Time: 1038 Sample Date: 4-24-2020

Purge End Time: 1041

6mm

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

Sampled by: J. Messenger Sampler Signature: John Messenger

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	6.4 gal
2	3 gal
Total	10

IDW will be taken to: GWTS/Pending Disposal Area

IDW Label: Green Non-hazardous

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 4/27/2020