APPENDIX H-1

Daily Quality Control Reports – Groundwater Sampling

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Deployment Team DATE: 3-11-21

WEATHER: High of 55°F and breezy

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	**Organization**
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office, deployment
Dylan Schweelk	EA - deployment

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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-106201, KAFB-106202, KAFB-106203, KAFB-106015, KAFB-106219, KAFB-106220, KAFB-106221, KAFB-106207, KAFB-106208, KAFB-106209, KAFB-106206, KAFB-106205, KAFB-106204, KAFB-106230, KAFB-106026

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

0747	Leave field office for KAFB-106201 cluster
0758	Arrive at KAFB-106201 cluster
	Deploy KAFB-106201, 202, 203 482.72
0906	Leave KAFB-106201 cluster for field trailer

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 3/21/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 3-11-21

4. WORK PERFORMED (Continued)	
0926	Arrive at field trailer
0929	Leave field trailer for KAFB-106015
0937	Arrive at KAFB-106015 and deploy
0954	Leave KAFB-106015 for KAFB-106219 cluster
0958	Arrive at KAFB-106219 cluster
	Deploy KAFB-106 219, 220, 221
1108	Leave KAFB-106219 cluster for KAFB-106207 cluster
1114	Arrive at KAFB-106207 cluster
	Deploy KAFB-106207, 208, 209
1217	Leave KAFB-106207 cluster for KAFB-106204 cluster
1220	Arrive at KAFB-204 cluster
	Deploy KAFB-204, 205, 206
1339	Leave KAFB-106204 cluster for KAFB-106230 cluster
1341	~~Dept~~ Arrive at KAFB-106230 cluster
	Deploy KAFB-106230, 026
1418	Leave KAFB-106230 cluster for field trailer
1432	Arrive at 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.

D. Schweik
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Deployments DATE: 3-12-21

WEATHER: High of 65°F winds 15-40mph

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	**Organization**
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office, deployment safety
Dylan Schmeelk	EA - Deployment

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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-106216, KAFB-106217, KAFB-106218, KAFB-106222, KAFB-106223, KAFB-106224, KAFB-106225, KAFB-106226, KAFB-106227, KAFB-106241, KAFB-106055, KAFB-106025, KAFB-106057, KAFB-106058

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

0719	Leave field trailer for KAFB-106216 cluster
0727	Arrive at KAFB-106216 cluster
	Deploy KAFB-106216, 217, 218
0845	Leave KAFB-106216 cluster for KAFB-106222 cluster

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 03-12-21

4. WORK PERFORMED (Continued)	
0848	Arrive at KAFB-106222 cluster
	Deploy KAFB-106222, 223, 224
0955	Leave KAFB-106222 cluster for KAFB-106225 cluster
1001	Arrive at KAFB-106225 cluster
	Deploy KAFB-106225, 226, 227
1135	Leave KAFB-106225 cluster for KAFB-106241 clusters
1140	Arrive at KAFB-106241 cluster
	Deploy KAFB-106241, 055
1223	Leave KAFB-106241 cluster for field trailer
1235	Arrive at field trailer
1335	Leave field trailer for KAFB-106025
1347	Arrive at KAFB-106025 and Deploy
1413	Leave KAFB-106025 for KAFB-106058 cluster
1415	Arrive at KAFB-106058 cluster and deploy KAFB-106058,
~~1457~~	~~Leave KA~~ KAFB-106058
1457	Leave KAFB-106058 cluster for field trailer
1509	Arrive at 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.

Dylan Schmeelk
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Deployments DATE: 3-15-21

WEATHER: Hi 59, Low 30, overcast, 54% humidity

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 Schweik	EA - Deployments
Riley Wittler	Sundance

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☑	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☑	Solinst Water Level Meter 253056 WH0571 ☐	☐

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-106041, 42, 43
KAFB-106242 and KAFB106021
KAFB-106029, 030, 031
KAFB-106231, 106232
KAFB-106236-430, -410, -499
KAFB-106235-438, -472, -501

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

PW 0645 0745	Leave field trailer for KAFB-106041 cluster
0800	Arrive at KAFB-106041 cluster
	Deployed KAFB-106041, 42, 43
0915 0815 PW	leave KAFB-106041 cluster for KAFB-106242 cluster

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 03/15/21

4. WORK PERFORMED (Continued)

0928	~~0828~~ RW	Arrive at KAFB-106242 cluster
		Deployed KAFB-106242 and KAFB-106021
1013	~~0913~~ RW	leave KAFB-106242 cluster for KAFB-106029 cluster
1014	~~0914~~ RW	Arrive at KAFB-106029 cluster
		Deployed KAFB-106029, 031, 030
1107	~~1007~~ RW	leave KAFB-106029 cluster for KAFB106231 cluster
1113	~~1113~~ +1013 RW	Arrive at KAFB-106231 cluster
		Deploy KAFB-106231, 232
1202	~~1102~~ RW	leave KAFB-106231 cluster for KAFB106
1210	~~1110~~ RW	Arrive at KAFB-106236 cluster
		deploy KAFB-106236 436; 470; 499
1307	~~1207~~ RW	leave KAFB-106236 cluster for KAFB-106235 cluster
1308	~~1208~~ RW	Arrive at KAFB-106235 cluster
		deploy KAFB-106235 -438, -472, -501
1426		leave KAFB-106235 cluster for field trailer
1436		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.

Riley Wittler
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Deployment DATE: 03/16/21

WEATHER: Hi 54° low 34° overcast to cloudy windy

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	**Organization**
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Riley Witter	Sundance
Dylan Schmeeckle	EA

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Deploy: KAFB-106105, KAFB-106106, KAFB-106107
KAFB-106091, KAFB-106092, KAFB-106229
KAFB-106049, KAFB-106050, KAFB-106051
KAFB-106052, KAFB-106053, KAFB-106054
KAFB-106032, KAFB-106033, KAFB-106034
KAFB-106213, KAFB-106214, KAFB-106215

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

0720	leave field trailer for KAFB-106105 cluster
0736	arrive at KAFB-106105 cluster
	deploy KAFB-106105, 106, 107
0837	leave KAFB-106105 cluster for KAFB 106-091 cluster

Reviewed by: Amanda Smith Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 03-16-21

4. WORK PERFORMED (Continued)	
0839	Arrive at KAFB-106091 cluster
	Deploy KAFB-106091, 92, 229
1005	Leave KAFB-10691 cluster for KAFB-106049 cluster
1007	arrive at KAFB-10649 cluster.
	Deploy KAFB-10649, KAFB-106050, ~~050~~ 051
1118	leave KAFB-106049 cluster for KAFB-106052
1119	arrive at KAFB-106052 cluster
	deploy KAFB-106052, 053, 054
1217	leave KAFB-106052 cluster for KAFB-106032 cluster
1228	arrive at KAFB-106032 cluster
	deploy KAFB-106032, KAFB-106033, KAFB-106034
1340	leave KAFB-106032 for ~~KAFB-106022~~ KAFB-106
1346	arrive at ~~KAFB-106022~~ KAFB-106 214 cluster
	Deploy KAFB-106 214 cluster KAFB-106213, 14, 215
1440	leave KAPB-106214 cluster for field trailer
1455	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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Deployments DATE: 03-17-21

WEATHER: 59°F SUNNY, LIGHT BREEZE

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 Schuerlk	EA-Sampler Deployment
Riley Wheeler	Sundance - Samples Deployment
Kayla Copeland	Sundance - Sampler Deployment

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☑	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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 wells: KAFB-106093, KAFB-106088, KAFB-106089, KAFB-106022, KAFB-106090, KAFB-106243, KAFB-106212, KAFB-106035, KAFB-106036, KAFB-106037, KAFB-106023, KAFB-106103, KAFB-106104, KAFB-106085, KAFB-106086, KAFB-106087, KAFB-106070, KAFB-106071, KAFB-106072, KAFB-106240, KAFB-106244

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

0755	leave field trailer for KAFB-106093
0802	Arrive at KAFB-106093
	Deploy KAFB-106093
0830	Leave KAFB-106093 for KAFB-106022

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 03-17-2021

4. WORK PERFORMED (Continued)	
0832	arrive at KAFB-106022
	Deploy KAFB-106022
	leave KAFB-106022 FOR KAFB-106035 cluster
0856	arrive at KAFB-106035 cluster
	Deploy KAFB-106212, 035, 036, 037
1020	leave KAFB-106035 cluster for KAFB-106023 cluster
1021	arrive at KAFB-106023 cluster
	Deploy KAFB-106023, 103, 104
11:10	leave KAFB-106023 cluster for KAFB-106090 cluster
1111	arrive at KAFB-106090 cluster
	deploy KAFB-106088, KAFB-106089, KAFB-106090, KAFB-106243
1300	Leave KAFB-106090 cluster for KAFB-106085 cluster
1305	ARRIVE @ KAFB-106085 CLUSTER
	Deploy KAFB-106085, KAFB-106086, KAFB-106087
1431	LEAVE KAFB-106085 CLUSTER FOR KAFB-106070 CLUSTER
1440	ARRIVE @ KAFB-106070 CLUSTER
	DEPLOY KAFB-106070, KAFB-106071, KAFB-106072
1540	LEAVE KAFB-106070 CLUSTER FOR KAFB-106240
1548	ARRIVE KAFB-106240
	DEPLOY KAFB-106240
1616	LEAVE KAFB-106240 FOR KAFB-106244
1619	ARRIVE KAFB-106244
	DEPLOY KAFB-106244
1643	LEAVE KAFB-106244 FOR TRAILER
1710	ARRIVE @ TRAILER
1723	UNLOAD & FINISH FOR 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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: DEPLOYMENTS DATE: 03-18-2021

WEATHER: 63°F ; SUNNY, light wind

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 SCHWEELK	EA - SAMPLER DEPLOYMENT
KAYLA COPELAND	SUNDANCE - SAMPLER DEPLOYMENT
	KC

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☑	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☑	☐

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 WELLS: KAFB-106245; KAFB-106S4; KAFB-106247; KAFB-106S1; KAFB-106S8; KAFB-106153; KAFB-106S9; KAFB-106S2; KAFB-106S3

KC

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

0736	DEPART TRAILER FOR KAFB-106245
0738	ARRIVE @ KAFB-106245
	DEPLOY KAFB-106245
0818	DEPART KAFB-106245 FOR KAFB-106S4

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 03-18-21

4. WORK PERFORMED (Continued)	
0821	ARRIVE @ KAFB-106S4 and deploy
0900	DEPART KAFB-106S4 for KAFB-106247
0904	ARRIVE @ KAFB-106247 & deploy
0941	DEPART KAFB-106247 for KAFB-106S1
0944	ARRIVE @ KAFB-106S1 & deploy
1021	DEPART KAFB-106S1 for KAFB-106S8
1022	ARRIVE @ KAFB-106S8 & deploy
1128	DEPART KAFB-106S8 for KAFB-106153
1129	ARRIVE @ KAFB-106153 & deploy after lowering tether
1324	DEPART KAFB-106153 for KAFB-106S9
1349	ARRIVE @ KAFB-106S9 & DEPLOY
1418	DEPART KAFB-106S9 for KAFB-106
1420	ARRIVE @ KAFB-106S2 & deploy
1445	DEPART KAFB-106S2 for KAFB-106S3
1447	ARRIVE @ KAFB106S3 & deploy
1512	DEPART KAFB-106S3 for trailer
1516	ARRIVE @ TRAILER & UNLOAD. END DAY
	KC

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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: DEPLOYMENT DATE: 3-19-2021

WEATHER: 68° F ; SUNNY W/ SOME CLOUDS

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 SCHWEELK	EA- SAMPLER DEPLOYMENT
KAYLA COPELAND	SUNDANCE - SAMPLER DEPLOYMENT
	KC

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☑	☐

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 WELLS: KAFB-10655
KAFB-10657
KAFB-106149
KAFB-106152
KAFB-106151
KC

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

0829	DEPART TRAILER FOR KAFB-10655
0846	ARIVE @ KAFB-10655 & DEPLOY
0931	DEPART KAFB-10655 for KAFB-10657
0937	ARRIVE @ KAFB-10657 and deploy

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 3-19-2021

4. WORK PERFORMED (Continued)

1013	DEPART KAFB-106157 for KAFB-106149
1027	ARRIVE @ KAFB-106149 and deploy
1140	DEPART KAFB-106149
1204	ARRIVE @ KAFB-106152 and deploy
1306	DEPART KAFB-106152 for KAFB-106151
1309	ARRIVE @ KAFB-106151 and deploy
1403	DEPART KAFB-106151 for trailer
1407	ARRIVE @ trailer & unload. End day.

KC

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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM ~~6360401~~ x 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: Samplers DATE: 3-23-2021

WEATHER: Sunny, high of 56°F, Light breeze

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 Schmeck	EA - Sampler
Aaron Kupper	EA - Sampler
Scott Miles	EA - Sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☑	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☑	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sampled KAFB-106252-425

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

1154	Leave field trailer for KAFB-106252
1206	Arrive at KAFB-106252 and sampled
1451	Leave KAFB-106252 for field trailer
1505	Arrive at field trailer

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 3-23-2021

4. WORK PERFORMED (Continued)	
	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.

Dylan Schmeltz
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 3/31/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Sample Team #1 DATE: 4-1-21

WEATHER: low 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 Safetly Office
J. Messenger	EA - Team #1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 Wh0003 ☒	YSI Professional Plus ~~45K101396~~ 17H105740 Wh0001 ☒	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☒
Hach 2100Q 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☒	Solinst Water Level Meter 253056 WH0571 ☐	~~WH0566~~ ☒

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)

—	Sampled KAFB-106063 + KAFB-106064 w/APTIM

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

0733	Left field office
0736	Arrived @ APTIM yard to sample KAFB-106063 + KAFB-106064
0912	Sampled KAFB-106063
0920	Sampled KAFB-106064

DQCR Page 1 of 2

Reviewed by: D. Schwedler Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-1-21

4. WORK PERFORMED (Continued)

0930	Helped APTIM w/waste @ their <90 day yard
0940	Finished waste management
0946	Left APTIM yard for field office
0952	Arrived @ field office

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:

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: sampler – Team #2 DATE: ~~4-01-2021~~ RW 4-01-2021

WEATHER: Hi 66 Low 43 Sunny

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	**Organization**
Bernard Bockish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeik	EA
Riley Witter	Sundance

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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

Sampled KAFB-106201, KAFB-106202, KAFB-106203
Sampled KAFB-106219, KAFB-106220, KAFB-106221
Sampled KAFB-106207, KAFB-106208, KAFB-106209
Sampled KAFB-1060015

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

0751	leave field trailer for KAFB-106201 cluster
0757	arrive at KAFB-106201 cluster
0830	Sampled KAFB-106201
0900	Sampled KAFB-~~0600~~ RW 106202

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-1-2021

4. WORK PERFORMED (Continued)	
0920	sampled KAFB-106203
0933	leave KAFB-106201 cluster for field trailer
0937	arrive at field trailer
0942	leave field trailer for KAFB-106219 cluster
0950	arrive at KAFB-106219 cluster
1015	sampled KAFB-106220
1040	sampled KAFB-~~106220DUP~~ 106219
1110	sampled KAFB-106221
1126	leave KAFB-106219 cluster for KAFB-106209 cluster
1128	arrive at KAFB-106209 cluster
1200	sampled KAFB-106 207
1240	sampled KAFB-106 208
1312	sampled KAFB-106 209
1325	leave KAFB-106209 cluster for KAFB-106015
1334	arrive at KAFB-106015
1350	sample KAFB-106015
1402	leave KAFB-106015 for field trailer
1407	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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team 1 DATE: 4/2/2021

WEATHER: Clear, mid 70s (°F)

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Backisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
J. Messenger + S. Miles	EA - Team 1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

– Sampled wells = ~~044~~ KAFB-106011, KAFB-106027 KAFB-106044, KAFB-106046, KAFB-106047, KAFB-106062

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

0727	Left field trailer
0740	fueled up equipment
0746	Left gas station
0755	On site well ~~044~~ KAFB-106044

DQCR Page 1 of 2

Reviewed by: D. Schmeelk Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-2-21

4. WORK PERFORMED (Continued)

0905	Sample Well KAFB 106044 0922 Leave Well 106044
0928	On site Well KAFB-106027 ~~0939~~ SM
1020	Sample Well ~~106~~ KAFB-106027
1040	Leave Well KAFB-106027
1056	On site well KAFB-106046
1145	Sample Well KAFB-106046
1202	On site well KAFB-106047
1245	Sample Well KAFB 106047
1259	Leave Well KAFB 106047
1306	On site Well KAFB 106062
1358	Sample Well KAFB 106062
1415	Leave Well KAFB 106062
1418	On site Well KAFB 106011
1532	Sample Well KAFB 106011
1549	Leave Well KAFB 106011
1555	Arrived @ field office – Sample shipping – Waste 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

DQCR Page 2 of 2

Reviewed by: D. Schmelk

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Sampler - Team #2 DATE: 4-2-2021

WEATHER: Hi 73° low 46° sunny

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
Bernard Buckish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeelk	EA
Riley Witter	Sundance

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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

	Sampled KAFB-106218, KAFB-106217, KAFB-106216
	Sampled KAFB-106224, KAFB-106223, KAFB-106222
	sampled KAFB-106230, KAFB-106026
	Sampled KAFB-106206, KAFB-106205, KAFB-106204

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

0738	leave field trailer for KAFB-106216 cluster
0744	arrive at KAFB-106216 cluster
0810	Sampled KAFB-106218
0836	Sampled KAFB-106217

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-2-2021

4. WORK PERFORMED (Continued)	
0855	Sampled KAFB-106216
0917	leave KAFB-106216 cluster for KAFB-106222 cluster
0918	arrive at KAFB-106222 cluster
0940	sample KAFB-106224
1000	sample KAFB-106223
1026	sample KAFB-106222
1040	leave KAFB-106222 for KAFB-106-230 cluster
1041	arrive at KAFB-106230 cluster
1103	sample KAFB-106230
1140	sampled KAFB-106026
1150	leave KAFB-106230 for KAFB-106204 cluster
1205	arrive at KAFB-106204 cluster
1222	sample KAFB-106206
1250	sample KAFB-106205
1320	sample KAFB-106204
1333	leave KAFB-106204 cluster for field trailer
1348	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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: LOW-FLOW - Team #1 DATE: APRIL 5, 2021

WEATHER: 70°F; SUNNY, FEW CLOUDS, LIGHT WIND

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
BERNARD BOCKISH	EA - Site Manager/Supervisor
PETER FERRARI	EA - Site Health and Safetly Office
JOSH MESSENGER	EA
KAYLA COPELAND	SUNDANCE

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	YSI 17H105740 (Rental) ☒

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)

TOOK ER212-01 FROM PUMP 1807B-919
COLLECT: GW248-452-212; GW248-452-612; GW102-212; GW101-212

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

0700	ARRIVE @ TRAILER. LOAD, DECON, & CALIBRATE EQUIPMENT
0827	COLLECTED ER212-01 FROM PUMP 1807B-919
0845	DEPART FIELD TRAILER FOR GAS STATION
0853	ARRIVE @ GAS STATION & FUEL UP

DQCR Page 1 of 2

Reviewed by: D. Schmeelk Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: APRIL 5, 2021

4. WORK PERFORMED (Continued)	
0848	DEPART GAS STATION FOR KAFB-106248
0907	ARRIVE @ KAFB-106248. TOTAL DEPTH = 497.36 ft TOC
11:05	COLLECT GW248-452-212 & GW248-452-612
12:24	DEPART 106 ~~GW~~248 for 106102
12:45	ARRIVE @ KAFB-106102
13:52	COLLECT GW102-212
14:37	DEPART 106102 FOR ADJACENT WELL
14:38	ARRIVE/SET-UP @ KAFB-106101
16:32	COLLECT GW101-212
	~~DEPART 106101 for 106101~~ KC 4/5/21
	*CHANGED YSI 18L00378 for RENTAL YSI 17H105740
	@ KAFB-106101 DUE TO ISSUES STABILIZING D.O. %
	BELOW 100%. STABILIZED W/ NEW YSI
17:24	DEPART KAFB-106101 FOR TRAILER
17:27	ARRIVE @ 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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: D. Schmeelk

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: sampler – Team #2 DATE: 4-5-2021

WEATHER: hi 82° low 46° sunny

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
Bernard Buckish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeelk	EA - sampler
Riley Witter	Sundance - sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)	
	Sampled KAFB-106025
	Sampled KAFB-106041, KAFB-106042, KAFB-106043
	Sampled KAFB-106225, KAFB-106226, KAFB-106227
	Sampled KAFB-106058, KAFB-106057, KAFB-106055
	Sampled KAFB-106241

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)	
0737	leave field trailer for KAFB-106025
0745	arrive at KAFB-106025
0805	sample KAFB-106025
0817	leave KAFB-106025 for KAFB-106041 cluster

DQCR Page 1 of 2

Reviewed by: _____ Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-5-2021

4. WORK PERFORMED (Continued)

0818	arrive at KAFB-106041 cluster
0842	Sample KAFB-106041
0902	sampled KAFB-106043
0923	sample KAFB-106042
0935	leave KAFB-106041 cluster for KAFB-106225 cluster
0937	arrive at KAFB-106225 cluster
0955	sample KAFB-106225
1033	sample KAFB-106226
1055	Sample KAFB-106227
1110	leave KAFB-106225 cluster for KAFB-106055cluster
1112	arrive at KAFB-106055 cluster
1132	sampled KAFB-106 058
1200	sampled KAPB-106057
1225	sampled KAPB-106055
1248	sampled KAPB-106241
1306	leave KAFB-~~106241~~ 106225 cluster for EA office
~~1314~~ PM	on 4th & gold
1314 PM ~~1325~~	arrive at EA office
1325	leave EA office for EA field trailer
1353	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.

Riley Wittler
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: LOW-FLOW – Team #1 DATE: 4/6/2021

WEATHER: 74°F, SUNNY W/ A BREEZE

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
BERNIE BOCKISH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
JOSH MESSENGER	EA
KAYLA COPELAND	SUNDANCE

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

COLLECT*: GW013-212, GW098-212, & GW068-212

* ASSOCIATED W/ ER212-01

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

0700	ARRIVE @ TRAILER
0744	DEPART FOR KAFB-106013
0806	ARRIVE @ KAFB-106013
0922	COLLECT GW013-212

DQCR Page 1 of 2

Reviewed by: D. Schmeelk Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 04/06/2021

4. WORK PERFORMED (Continued)	
1007	DEPART KAFB-106013 for KAFB-106098
1008	ARRIVE @ KAFB-106098
11:13	COLLECT GW098-212
12:12	DEPART KAFB-106098 for TRAILER TO DROP OFF SAMPLES
12:27	ARRIVE @ TRAILER
1237	Left trailer for KAFB-106068
1246	Arrived @ KAFB-106068
1333	COLLECT GW068-212
1353	DEPART KAFB-106068 for TRAILER
1408	Arrived @ field trailer - waste management - shipping

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: D. Schmeelk

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Samplers - Team #2 DATE: 4-6-2021

WEATHER: Hi 75° low 41° Sunny windy

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
Bernard Backish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeelk	EA-Sampler
Riley Witmer	Sundance Sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sampled KAFB-106235-438, KAFB-106235-472, KAFB-106235-501
Sampled KAFB-106030, KAFB-106029, KAFB-106031
Sampled KAFB-106231, KAFB-106232
Sampled KAFB-106021, KAFB-106242

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

0754	leave field trailer for KAFB-235 cluster
0803	arrive at KAFB-235 cluster
0830	sample KAFB-106235-438
0852	sample KAFB-106235-472

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-6-2021

4. WORK PERFORMED (Continued)	
0921	KAFB-106 235-501
0935	leave KAFB-106235 cluster for KAFB-106029 cluster
0938	arrive at KAFB-106029 cluster
1015	sample KAFB-106030
1050	sample KAFB-106029
~~1114~~	~~sample DU leave KAFB-106029 cluster for DU~~
~~—~~	~~arrive at~~ DU
1157	sample KAFB-106031
1209	leave KAFB-106029 cluster for KAFB-106231 cluster
1212	arrive at KAFB-106231 cluster
1240	sample KAFB-106 231
1302	sample KAFB-106232
1319	leave KAFB-106231 cluster for KAFB-106242 cluster
1325	arrive at KAFB-106242 cluster
1347	sample KAFB-106242
1415	sample KAFB-106021
1430	leave KAFB-106242 cluster for field trailer
1437	arrive at field trailer

DU

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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: LOW-FLOW - Team #1 DATE: 4/7/2021

WEATHER: 72°F; SUNNY & CLEAR SKIES

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
BERNIE BOCKISH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
JOSH MESSENGER	EA
KAYLA COPELAND	SUNDANCE

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

COLLECT: GW097-212; GW003-212; GW060-212; GW024-212

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

0700	ARRIVE @ TRAILER TO CALIBRATE & LOAD EQUIPMENT
0725	DEPART TRAILER FOR KAFB-106097
0735	ARRIVE @ KAFB-106097
0850	COLLECT GW097-212

DQCR Page 1 of 2

Reviewed by: D. D. Schmeelk Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/7/2021

4. WORK PERFORMED (Continued)	
0938	DEPART KAFB-106097 FOR KAFB-106003
0951	ARRIVE @ KAFB-106003
1104	COLLECT GW003-212
1155	DEPART KAFB-106003 for TRAILER TO DROP OFF SAMPLES
1159	ARRIVE @ TRAILER & DROP SAMPLES
1205	DEPART FOR KAFB-106060
1208	ARRIVE @ KAFB-106060
1252	COLLECT GW060-212
1310	DEPART KAFB-106060 for KAFB-106024
1312	ARRIVE @ KAFB-106024
1405	COLLECT GW024-212
1425	DEPART KAFB-106024 for TRAILER
1431	ARRIVE @ 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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: D.Schmeelk

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Samplers – Team #2 DATE: 4-7-2021

WEATHER: Hi 72° Low 41° sunny windy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Backisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeeik	EA - sampler
Riley Wittler	Sundance - sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sampled KAFB-106236-436, KAFB-106236-470, KAFB-106236-[illegible]
Sampled KAFB-106106, KAFB-106105, KAFB-106107
Sampled KAFB-106091, KAFB-106093, KAFB-106092
Sampled KAFB-106229

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

0738	leave field trailer for KAFB-106236 cluster
0746	arrive at KAFB-106236 cluster
0830	sample KAFB-106236-470
0845	sample KAFB-106236-436

DQCR Page 1 of 2

Reviewed by: [signature] Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-7-2021

4. WORK PERFORMED (Continued)	
0850	Sample KAFB-106236-499
0907	leave KAFB-106236 cluster for KAFB-106106 cluster
0910	arrive at KAFB-106106 cluster
935	Sample KAFB-106105
1000	sample KAFB-106106
1030	Sample KAFB-106107
1044	leave KAFB-106106 cluster for KAFB-106091
1046	arrive at KAFB-106091 cluster
1111	Sample KAFB-106091
1140	Sample KAFB-106093
1205	Sample KAFB-106092
1225	sample KAFB-106229
1242	leave KAFB-106091 cluster for field trailer
1248	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.

Riley Witther
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Low Flow – Team #1 DATE: 4/8/2021

WEATHER: 76°F; SUNNY, CLEAR, LIGHT WIND

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
BERNIE BOCKISH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
JOSH MESSENGER	EA
KAYLA COPELAND	SUNDANCE

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

COLLECT: GW100-212; GW099-212; GW004-212

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

0700	ARRIVE @ TRAILER. CALIBRATE & LOAD EQUIPMENT
0727	DEPART TRAILER FOR KAFB-106100
0742	ARRIVE @ KAFB-106100
0900	COLLECT GW100-212

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 04/8/2021

4. WORK PERFORMED (Continued)	
0906	DECON & BREAKDOWN EQUIPMENT @ KAFB-106100
0912	SET UP EQUIPMENT @ KAFB-106099
1049	COLLECT GW099-212
1124	DECON & BREAKDOWN EQUIPMENT @ KAFB-106099
1151	SET UP EQUIPMENT @ KAFB-106004
1253	COLLECT GW004-212
1352	DEPART KAFB-106004 for TRAILER
1406	ARRIVE @ 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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Samplers - Team #2 DATE: 4-8-2021

WEATHER: Hi 79° low 45° sunny

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	**Organization**
Bernard Backish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeltz	EA - Samples
Aaron Kupper	EA - Sampler
Riley Wittler	Sundance – Sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sampled KAFB-1060049, KAFB-1060050, KAFB-1060051
Sampled KAFB-1060052, KAFB-1060053, KAFB-1060054
Sampled KAFB-106032, KAFB-106033, KAFB-106034
Sampled KAFB-1060022

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

0736	Leave field trailer for KAFB-1060049 cluster
0742	arrive at KAFB-1060049 Cluster
0800	Sample KAFB-1060049
0822	sample KAFB-1060051

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-8-2021

4. WORK PERFORMED (Continued)

0851	KAFB-106005 sampled
0905	leave KAFB-106049 cluster for KAFB-106052 cluster
0907	arrive at KAFB-106052 cluster
0927	sample KAFB-106054
0950	sample KAFB-106053
1011	sample KAFB-106052
1025	leave KAFB-106052 cluster for KAFB-106032
1028	arrive at KAFB-106032 cluster
1051	sample KAFB-106032
1117	sample KAFB-106033
1137	sample KAFB-106034
1148	leave KAFB-106032 cluster for KAFB-106022
1200	arrive at KAFB-106022
1215	sample KAFB-106022
1226	leave KAFB-106022 for field trailer
1250	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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: LOW FLOW – Team #1 DATE: 4/9/2021

WEATHER: 75°F, SUNNY W/ A LITTLE HAZE, BREEZY

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
BERNIE BOCKISH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
JOSH MESSENGER	EA
KAYLA COPELAND	SUNDANCE

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

COLLECT: GW082-212 ; GW083-212 ; GW084-212

- ASSOCIATED WITH ER212-01

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

0700	ARRIVE @ TRAILER. CALIBRATE & LOAD EQUIPMENT.
0732	DEPART TRAILER FOR KAFB-106082 CLUSTER
0740	ARRIVE & SET UP @ KAFB-106082
0858	COLLECT GW082-212

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/9/2021

4. WORK PERFORMED (Continued)	
0915	BREAK DOWN & DECON EQUIPMENT
0957	SET UP @ KAFB-106083
1050	COLLECT GW0083-212
1100	BREAK DOWN & DECON @ KAFB-106083
1136	SET UP @ KAFB-106084
1237	COLLECT GW0084-212
1325	DEPART KAFB-106084 for KAFB-106019
1349	ARRIVE @ KAFB-106019
	-SAMPLE SHEET IN TABLET SAYS 106019 IS INTERMEDIATE;
	HOWEVER SCHEDULE SAYS IT IS CLEAN. CALL DYLAN
	SCHMEELK TO CONFIRM. DYLAN CONFIRMS 106019 IS
	INTERMEDIATE & NEEDS TO BE SAMPLED W/ DEDICATED
	TUBING & INTERMEDIATE REEL
1416	RELOAD EQUIPMENT ONTO TRUCK
1421	DEPART KAFB-106019 for GAS STATION
1430	ARRIVE @ GAS STATION & FUEL UP
1441	DEPART GAS STATION for TRAILER
1449	ARRIVE @ 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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Sampler – Team # 2 DATE: 4-9-2021

WEATHER: Hi 72° low 31° Sunny Windy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockish	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeeik	EA-sampler
Riley Witter	Sundance-sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sampled KAFB-106212, KAFB-106035, KAFB-106036
Sampled KAFB-106037, KAFB-106215, KAFB-106214
Sampled KAFB-106213, KAFB-106103, KAFB-106104
Sampled KAFB-106023

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

0723	leave field trailer for KAFB-106213 cluster
0741	arrive at KAFB-106~~213~~212 cluster
0800	sample KAFB-106212
0822	sample KAFB-106035

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-9-2021

4. WORK PERFORMED (Continued)	
0841	Sample KAFB-106036
0902	Sample KAFB-106037
0918	leave KAFB-106212 cluster for KAFB-106215 cluster
0919	arrive at KAFB-106215 cluster
0942	Sample KAFB-106215
1002	sample KAFB-106214
1022	sample KAFB-106213
1037	leave KAFB-106215 cluster for KAFB-106023 cluster
1041	arrive at KAFB-106023 cluster
1111	Sample KAFB-106104
1130	sample KAFB-106103
1145	sample KAFB-106023
1159	leave KAFB-106023 cluster for gas station
1220	arrive at gas station
RB 1230	leave gas station for field trailer
1300	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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: LOW FLOW – Team #1 DATE: 4/12/2021

WEATHER: 74°F, SUNNY & MODERATELY WINDY; CLOUDY AS DAY WENT ON

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
BERNIE BOCKISH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
JOSH MESSENGER	EA
KAYLA COPELAND	SUNDANCE

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 Wh0003 [X]	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 [X]
Hach 2100Q 15100C045025 Wh0007 [X]	Hach 2100Q 15100C044633 Wh0009 [ ]	Geotech Turbidity Meter 18081855 [ ]
Solinst Water Level Meter 350333 WH0567 (750 ft) [X]	Solinst Water Level Meter 253053 WH0012 [ ]	Geotech Water Level Meter 0001 WH0570 [ ]
Solinst Water Level Meter 350334 WH0566 [ ]	Solinst Water Level Meter 253056 WH0571 [ ]	[ ]

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)

COLLECT: GW038-212; GW040-212; GW039-212 (MS/MSD); GW095-212 (MS/MSD); GW096-212 & GW096-612

- ASSOCIATED WITH ER212-01

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

0700	ARRIVE @ TRAILER
0735	DEPART TRAILER FOR KAFB-106038 CLUSTER
0742	ARRIVE @ KAFB-106038
0833	COLLECT GW038-212

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/12/2021

4. WORK PERFORMED (Continued)	
0841	END SAMPLE & BREAK DOWN EQUIPMENT
0914	SET UP @ KAFB-106040
1000	COLLECT GW040-212
1006	END SAMPLING & BREAK DOWN EQUIPMENT
1047	SET UP @ KAFB-106039
1132	COLLECT GW039-212 & MS/MSD
1218	DEPART KAFB-106039 for KAFB-106095
1234	ARRIVE @ KAFB-106095
1346	COLLECT GW095 (MS/MSD)
1431	DEPART 106095 for KAFB-106096 (ADJACENT)
1522	COLLECT GW096-212 & GW096-612
1604	DEPART KAFB-106096 for TRAILER
1619	ARRIVE @ 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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Samplers – Team #2 DATE: 4-12-2021

WEATHER: hi 73° low 45° overcast breezy

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Penari	EA - Site Health and Safetly Office
Dylan Schmeeik	EA-Sampler
Riley Witther	Sundance-Sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sampled KAFB-106085, KAFB-106086, KAFB-106087
Sampled KAFB-106070, KAFB-106071, KAFB-106072
Sampled KAFB-106243, KAFB-106088, KAFB-106089
Sampled KAFB-106090

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

0734	leave field trailer for KAFB-106085 cluster
0743	arrive at KAFB-106085 cluster
0812	Sample KAFB-106087
0825	Sample KAFB-106086

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-12-2021

4. WORK PERFORMED (Continued)	
0845	sample KAFB-106085
0908	leave KAFB-106085 cluster for KAFB-106071 cluster
0909	arrive at KAFB-106071 cluster
0935	sample KAFB-106070
1005	sample KAFB-106072
1023	sample KAFB-106071
1034	leave KAFB-106071 cluster for KAFB-106088 cluster
1036	arrive at KAFB-106088 cluster
1100	sample KAFB-106088
1120	sample KAFB-106089
1151	sample KAFB-106090
PW 1232	~~leave KAFB-106088 cluster for PW~~
1219 1232	sample KAFB-106234
1232	leave KAFB-106088 cluster for field trailer
1251	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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: _____

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: LOW FLOW – Team #1 DATE: 4/13/2021

WEATHER: HIGH & GUSTY WINDS; SUN W/ CLOUDS

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
BERNIE BOCKISH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
JOSH MESSENGER	EA
KAYLA COPELAND	SUNDANCE

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

COLLECT: GW045-212; GW3411-212; GW061-212
*ASSOCIATED W/ ER212-01

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

0700	ARRIVE @ TRAILER & PREP FOR DAY. PREP FUTURE SAMPLE KITS TO WAIT OUT THE EXTREME WIND GUSTS.
1000	DEPART TRAILER FOR KAFB-106075
1021	ARRIVE @ KAFB-106075

DQCR Page 1 of 2

Reviewed by: D.S. Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/13/2021

4. WORK PERFORMED (Continued)	
1110	PUMPED W/ COMPRESSOR FOR 35 MINUTES. NO WATER
	EMERGED FROM WELL. DEDICATED PUMP IS NON-
	FUNCTIONAL
1114	DEPART KAFB-106075 for KAFB-106045
1120	ARRIVE @ KAFB-106045
1216	COLLECT GW045-212
1245	DEPART KAFB-106045 for ~~KAFB-106~~ TRAILER. BATTERY
	ON PUMP IS DEAD AND NEEDS A JUMP.
1255	ARRIVE @ KAFB-3411 AFTER JUMP STARTING COMPRESSOR.
	DECON COMPRESSOR BEFORE DEPLOYING.
1404	COLLECT GW3411-212
1450	DEPART KAFB-3411 for KAFB-106061
1452	ARRIVE @ KAFB-106061
1539	COLLECT GW061-212
1625	DEPART KAFB-106061 for TRAILER
1629	ARRIVE @ 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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Samplers – Team #2 DATE: 4-13-2021

WEATHER: Hi 70 low 46 windy sunny

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-Sampler
Riley Wittler	Sundance-sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sample KAFB-106245, KAFB-106247, KAFB-106054
Sample KAFB-106240, KAFB-106244, KAFB-106057
Sample KAFB-10685

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

1120	leave field trailer for KAFB-106245
1122	arrive at KAFB-106245
1145	Sample KAFB-106245
1156	leave KAFB-106245 for KAFB-247

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-13-2021

4. WORK PERFORMED (Continued)	
1200	arrive at KAFB-106247
1217	sample KAFB-106247
1231	leave KAFB-~~106~~ ~~PW-S4~~ 106247 for KAFB-S4
1239	arrive at KAFB-106S4
1303	sample KAFB-106S4
1330	leave KAFB-106S4 for KAFB-106240
1337	arrive at KAFB-106240
1408	sample KAFB-106240
1422	leave KAFB-106240 for KAFB-106244
1424	arrive at KAFB-106244
1443	sample KAFB-106244
1459	leave KAFB-106244 for KAFB-106S7
1503	arrive at KAFB-106S7
1522	sample KAFB-106S7
1541	leave KAFB-106S7 for KAFB-106S5
1543	arrive at KAFB-106S5
1603	sample KAFB-106S5
1626	leave KAFB-106S5 for field trailer
1635	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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: LOW FLOW – Team #1 DATE: 4/14/2021

WEATHER: OVERCAST MORNING W/ GUSTY WINDS; SUNNY/BREEZY AFTERNOON

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
BERNIE BOCKISH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
JOSH MESSENGER	EA
KAYLA COPELAND	SUNDANCE

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

*ASSOCIATED W/ ER 212-01

COLLECT: GW007-212; GW077-212; GW081-212; GW012R-212 (MS/MSD); GW048-212

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

0700	ARRIVE @ TRAILER
0732	DEPART TRAILER for FUEL
0737	ARRIVE @ GAS STATION
0745	DEPART GAS STATION for KAFB-106007

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/14/2021

4. WORK PERFORMED (Continued)	
0756	ARRIVE @ KAFB-106007
0847	COLLECT GW007-212
0924	DEPART KAFB-106007 for KAFB-106077
0925	ARRIVE @ KAFB-106077
1017	COLLECT GW077-212
1055	DEPART KAFB-106077 for KAFB-106081
1103	ARRIVE @ KAFB-106081
1203	COLLECT GW081-212
1247	DEPART KAFB-106081
1249	ARRIVE @ KAFB-106012R
1330	COLLECT GW012R-212 (MS/MSD)
1416	DEPART KAFB-106012R
1419	ARRIVE @ KAFB-106048
1514	COLLECT GW048-212
1550	DEPART KAFB-106048 for TRAILER
1558	ARRIVE @ 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.

KAYLA COPELAND
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Samplers - Team #2 DATE: 4-14-2021

WEATHER: Hi 75° low 46° windy!

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Perrari	EA - Site Health and Safetly Office
Dylan Schmeelk	EA-Sampler
Riley Witter	Sundance-sampler
Scott Miles	EA-Sampler

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sample KAFB-10653, KAFB-10652, KAFB-106152
Sample KAFB-10659, KAFB-106151, KAFB-106149
Sample KAFB-10657, KAFB-10658

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

0750	leave field trailer for KAFB-10653
0759	arrive at KAFB-10653
0820 ~~0852~~ PM	sample KAFB-10653
0845	leave KAFB-10653 for KAFB-Field trailer

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-19-2021

4. WORK PERFORMED (Continued)	
0843	arrive at ~~KAFB-106~~ RW field trailer
0945	leave field trailer for KAFB-106S2
0946	arrive at KAFB-106S2
1004	Sample KAFB-106S2
1021	leave KAFB-106S2 for KAFB-106152
1025	arrive at KAFB-106 152
1042	Sample KAFB-106152
1057	leave KAFB-106152 for KAFB-106S9
1058	arrive at KAFB-~~106152~~ RW 106S9
1120	Sample KAFB-106S9
1144	leave KAFB-106S9 for KAFB-106151
1146	arrive at KAFB-106151
1202	Sample KAFB-106151
1215	leave KAFB-106151 for KAFB-106149
1217	arrive at KAFB-106149
1247	Sample KAFB-106149
1303	leave KAFB-106149 for KAFB-106S2
1304	arrive at KAFB-106S2
1321	sample KAFB-106S7
1335	leave KAFB-106S7 for KAFB106S8
1337	arrive at KAFB-106S8
1352	sample KAFB-106S8
1414	leave KAFB-106S8 for field trailer
1430	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.

Riley Witter
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: _____ Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Samplers – Team #1 DATE: 4-15-2021

WEATHER: low 70s (°F); partly cloudy; breezy to windy in afternoon

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Backisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeltz	EA - Sampler
Joshua Messenger	EA - Sampler
Aaron Kupper	EA - trainee
Scott Miles	EA - trainee

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

– Sampled wells: KAFB-106073, KAFB-106074, KAFB-106016 + DUP and KAFB-106002

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

0718	Leave Field trailer for KAFB-106074 cluster
0729	Arrive at KAFB-106074 cluster
0840	Sampled KAFB-106073
1030	Sampled KAFB-106074

DQCR Page 1 of 2

Reviewed by: RK Brandt Reviewed date: 5/4/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-15-21

4. WORK PERFORMED (Continued)	
1122	Left KAFB-106074 cluster
1131	Arrived @ KAFB-106016
1240	Took samples @ KAFB-106016
1313	Left ~~KAFB-106074~~ AK KAFB-106016
1328	Arrived @ KAFB-106002
1400	Sampled KAFB-106002
1415	Left KAFB-106002
1418	Arrived @ field trailer - Waste 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

DQCR Page 2 of 2

Reviewed by: [signature]

Reviewed date: 5/4/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team #1 DATE: 4-16-21

WEATHER: low-mid 70's(°F); clear

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bochisch	EA - Site Manager/Supervisor
P. Ferrar	EA - Site Health and Safetly Office
J. Messenger / A. Kuppen	Ea – Team #1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☒	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

- Sampled wells: KAFB-106065, KAFB-106066
- Sampled KAFB-106094
- Sampled KAFB-106067

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

0723	Left field office
0731	Arrived @ gas station
0738	Left gas station
0744	Arrived @ KAFB-106067 cluster

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-16-21

4. WORK PERFORMED (Continued)	
0856	Sampled ~~KAFB-106067AK~~ KAFB-106094
0925	Left KAFB-106094 cluster
0927	Arrived @ KAFB-106067 cluster
1029	Sampled KAFB-106067
1057	Left KAFB-106067
1100	Arrived @ KAFB-106065 cluster
1212	Sampled KAFB-106065
1338	Sampled KAFB-106066
1405	Left KAFB-106065 cluster
1414	Arrived @ field trailer
	- Waste Management
	- Shipping

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. Messenger
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Support for Samplers DATE: 4-16-2021

WEATHER: clear and warm

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	EA - Shipping and Support
Scott Miles	EA - Shipping and Support

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☒	Geotech Water Level Meter 0001 WH0570 ☒
Solinst Water Level Meter 350334 WH0566 ☒	Solinst Water Level Meter 253056 WH0571 ☒	☐

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)

SM

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

0748	Leave field trailer for IN2
0752	Arrive at IN2
0847	Leave IN2 for field trailer
0852	Arrive at field trailer

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-16-2021

4. WORK PERFORMED (Continued)	
0854	Leave field trailer for KAFB-106235
0915	Arrive at KAFB-106235
1054	Leave KAFB-106235 for KAFB-106065
1102	Arrive at KAFB-106065
1115	Leave KAFB-106065 for KAFB-106235
1122	Arrive at KAFB-106235
1201	Leave KAFB-106235
1211	Arrive at gas station (on base. Gibson & 1st) for ice
1217	Leave gas station
1221	Arrive at field trailer
1233	Leave field trailer
1246	Arrive at KAFB 106065
1248	Leave KAFB 106065
1255	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.

Scott Miles
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team 1 DATE: 4-19-21

WEATHER: warm and clear

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	**Organization**
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
Josh Messenger and Scott Miles	EA - Team 1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☒	Solinst Water Level Meter 253056 WH0571 ☒	☐

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)

Sampled: KAFB-106017
KAFB-106078
ER-212-02
KAFB-106S10

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

0727	Leave Field trailer
0742	Arrive at KAFB-106017
0853	Sample KAFB-106017
0920	Leave KAFB-106017 for KAFB 106078

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-19-21

4. WORK PERFORMED (Continued)

0933	Arrive at KAFB-106078
1011	Sampled KAFB-106078
1034	Leave KAFB-106078 for field trailer
1039	Arrive at field trailer
1146	Took ER212-02 Sample
1212	Leave field trailer for KAFB-106510
1218	Arrive at KAFB-106510
1422	Sample KAFB-106510
1600	Leave KAFB-106510 for field trailer
1618	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.

Scott Miles
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Samplers – Team #1 DATE: 4-20-2021

WEATHER: Sunny, high 67°F, Low Winds

1. ONSITE PERSONNEL (including subcontractors and government employees)

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

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☑	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☑	☐

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)

~~0739~~	~~Left Trailer AK~~
~~0738~~	~~Gased Truck up AK~~
0918	Teresa McMillin arrived to observe and help sample.
0920	Bernard Bockisch arrived with Ben Maayad, Mike Hernandez, Delila ... ... to observe sampling procedures.
0938	Sampled KAFB-106014
1312	Sampled KAFB-106008
1623	Sampled KAFB-106028

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

0732	Left trailer
0738	Gased Truck up
0748	Left gas station for KAFB-106014
0755	Arrived at KAFB-106014

DQCR Page 1 of 2

Reviewed by: A K Brant Reviewed date: 5/4/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-20-21

4. WORK PERFORMED (Continued)	
0938	Sampled KAFB-106014
1051	Left KAFB-106014 for KAFB-106008
1103	Arrived at KAFB-106008
1312	Sampled KAFB-106008
1420	Left KAFB-106008 For KAFB-106028
1438	Arrived KAFB-106028
1623	Sampled KAFB-106028
1724	Leaving KAFB-106028 for field office
1733	Arrived @ field office

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: AK Brant

Reviewed date: 5/4/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Sampling Team #1 DATE: 4-21-21

WEATHER: cool and windy

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bochisch	EA - Site Manager/Supervisor
P. Fedari	EA - Site Health and Safetly Office
J. Messenger / S. Miles / A. Kupper	EA - Team #1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☒	☐

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)

sampled KAFB-106010
sampled KAFB-106005

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

0740	left field office for gas station
0746	Arrive at gas station
0759	Leave gas station for KAFB-106010
0807	Arrive at KAFB-106010

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-21-21

4. WORK PERFORMED (Continued)	
0942	Sample KAFB-106010
1041	Leave KAFB-106010 for KAFB-106005
1055	Arrive At KAFB-106005
1331	Sample KAFB-106005
1437	Leave KAFB-106005 for field trailer
1439	Arrive at ~~KAFB~~ field trailer
1447	Leave field trailer for < 90 day yard
1450	Arrive at < 90 day yard
1508	Leave < 90 day yard for field trailer
1510	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.

Scott Miles
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Sampling Support DATE: 4-21-2021

WEATHER: Partly cloudy / windy

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 Schwelk	EA
Sindy Lauricella	EA

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☒	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

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

0712	Leave field trailer for KAFB-106010
0725	Arrive at KAFB-106010 and measure water level
0800	Leave KAFB-106010 for field trailer
0809	Arrive at field trailer

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-21-21

4. WORK PERFORMED (Continued)	
0814	Leave field trailer for KAFB-106~~005~~ 079
0817	Arrive at KAFB-106079 and measure water level
0841	Leave KAFB-106079 for KAFB-106005
0844	Arrive at KAFB-106005
0905	Leave KAFB-106005 for field trailor
0911	Arrive at field trailor
0937	Leave field trailor for KAFB-106005
0939	Arrive at KAFB-106005. DTL NAPL=469.99, DTW=470.03
0959	Begin bailing NAPL at KAFB-106005
1039	Stop bailing and measure DTW. DTW=469.98.
	No NAPL remaining
1325	Leave KAFB-106005 for KAFB-106059
1326	Arrive at KAFB-106059
1410	Begin bailing NAPL (initial thickness 0.01ft)
1450	Stopped bailing because no more NAPL in well.
1456	leave KAFB-106059 for field trailor
1501	Arrive at field trailor.

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.

Sindy Lauriello
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Sampling Team 1 DATE: 04-22-21

WEATHER: Partly Cloudy, High of 70°F

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Josh Messenger	EA - Sampler - Team 1
Cindy Lauricella	EA Sampler - Team 1
Aaron Kupper	EA - Sampler - Team 1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☒	☐

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)

0928	Sampled KAFB-106051 — Took ER212-03
1319	Sampled KAFB-106079

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

0722	Left Trailer for Gas Station
0730	Arrived at Gas Station
0732	Left Gas Station for KAFB-106059
0751	Arrived at KAFB-106059

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-22-2021

4. WORK PERFORMED (Continued)	
0928	Sampled KAFB-106058
1043	Left KAFB-106059 for KAFB-106079
1049	Arrived @ KAFB-106079
1319	Sampled KAFB-106079
1437	Left KAFB-106079 for <90-day yard
1440	Arrived @ <90-day yard
1452	Left <90-day yard for field office
1455	Arrived @ field office — 1611 took ER212-03

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: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Sampling Support / O&M DATE: 4-22-2021

WEATHER: warm and partly cloudy

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
Bernard Backisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeelk / Scott Miles	EA

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☑	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

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

0706	Leave field trailer for KAFB-106059
0710	Arrive at KAFB-106059 cluster
	Gauge and re-thread one bolt socket
0843	Leave KAFB-106059 cluster for field trailer

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-22-2021

4. WORK PERFORMED (Continued)

0846	Arrive at field trailer
0909	Leave field trailer for KAFB-106059 cluster
0912	Arrive at KAFB-106059
1055	Leave KAFB-106059 for KAFB-106079
1059	Arrive at KAFB-106079
1311	Leave KAFB-106079 for field trailer
1314	Arrive at field trailer
1412	Leave ~~KAFB~~ field trailer for KAFB-106079
1417	Arrive at KAFB-106079
1419	Leave KAFB-106079 for field trailer
1423	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.

Scott Miles
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: TEAM 1 DATE: 4-23-2021

WEATHER: Partly cloudy - RAINY - WINDY

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/~~Scott Miles~~/~~Sindy~~ Laurcella	EA - samplers
Sindy Lauricella	EA - SAMPLERS
Scott Miles	EA - SAMPLERS

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☒	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

	Sampled wells KAFB-106076, KAFB-106006
1448	Scott Miles left site.
	SL

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

11:46	leave field trailor for KAFB-106076
1149	arrive at KAFB-106076
	~~leave KAFB-106076~~ SL
1345	Sampled KAFB-106076

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/23/2021

4. WORK PERFORMED (Continued)	
1448	leave KAFB-106076 for KAFB-106006
1449	Arrive at KAFB-106006
1625	Sampled KAFB-106006
1727	leave KAFB-106006 for field trailor
1732	Arrive at field trailor

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.

SINDY LAURICELLA
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team 1 - Sampling DATE: 4/26/2021

WEATHER: Partly Cloudy H: 77°

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office
J. Messenger	SA Team #1
SINDY LAURICELLA	

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☒	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

Sampled wells: KAFB-106019, KAFB-106018, KAFB-106069

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

0801	Leave field trailor for KAFB-106019
0809	Arrive at KAFB-106019
0942	Sampled KAFB-106019
1035	Leave KAFB-106019 for KAFB-106018

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/26/21

4. WORK PERFORMED (Continued)	
10:42	Arrive at KAFB-106018
12:02	Sampled KAFB-106018
12:49	leave KAFB-106018 for KAFB-106069
12:53	Arrive at KAFB-106069
15:37	Sampled KAFB-106069
16:27	leave KAFB-106069 for field trailer
16:36	Arrive at field trailor

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.

Sindy Lavigueira
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Sampling and O+M - Team #2 DATE: 4/26/2021

WEATHER: warm and windy

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	**Organization**
Bernie Backisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Dylan Schmeelk / Scott Miles	EA - Team 2

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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-106153 sampled
Performed O+M on KAFB-106027, KAFB-106153, KAFB-106247, KAFB-106007, KAFB-106006, KAFB-10658, KAFB-106001, KAFB-106510, KAFB-106084, KAFB-106018, KAFB-106019, KAFB-106038, KAFB-106039, KAFB-106040, KAFB-106211, KAFB-106017, KAFB-106240, KAFB-106013, KAFB-106016, KAFB-106044, KAFB-106045, KAFB-3411, KAFB-106156, KAFB-106151.

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

0811	Leave field trailer for KAFB-106153
0815	Arrived at KAFB-106153
0851	Sampled ~~GW153~~ KAFB-106153
0934	Left KAFB-106153 for KAFB-106247

DQCR Page 1 of ~~2~~ 3

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/26/2021

4. WORK PERFORMED (Continued)	
0936	Arrived at KAFB-106247 and performed O+M
1001	Left KAFB-106247 for KAFB-106007
1002	Arrived at KAFB-106007 and performed O+M
1021	Left KAFB-106007 for KAFB-106006 cluster
1023	Arrived at KAFB-106006 cluster
1032	Performed O+M on KAFB-106006 and KAFB10658
1035	Left KAFB-106006 cluster for KAFB-106001
1036	Arrived at KAFB-106001
1046	Left KAFB-106001 for KAFB-106510
1047	Arrived at KAFB-106510 and performed O+M
1107	Left KAFB-106510 for field trailer
1113	Arrived at ~~KAFB~~ field trailer
1151	Left field trailer for KAFB-106018
1159	Arrived at KAFB-106018 cluster
1212	Left KAFB-106018 cluster for gas station
1216	Arrived at gas station
1227	Left gas station for KAFB-106018 cluster
1231	Arrived at KAFB-106018 cluster and performed O+M
1243	Left KAFB-106018 ~~for~~ cluster for KAFB-106038 cluster
1245	Arrived at KAFB-106038 cluster and performed O+M
1300	Leaving KAFB-106038 cluster ~~and~~ for KAFB-106019
1302	Arrived at KAFB-106019 and performed O+M
1313	Left KAFB-106019 for KAFB-106017 cluster
1314	Arrived at KAFB-106017 cluster ~~for~~ and performed O+M
1331	Left KAFB-106017 cluster for KAFB-106240
1335	Arrived at KAFB-106240 and performed O+M

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.

S. Miles
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of ~~2~~ 3

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-26-21

4. WORK PERFORMED (Continued)

1352	Leave KAFB-106240 for KAFB 106013 cluster
1354	Arrive at KAFB-106013 cluster and perform O+M
1403	Leave KAFB-106013 cluster for field trailer
1415	Arrive at field trailer ~~for KAFB-1060~~ SM
1426	Leave field trailer for KAFB-106044 cluster
1431	Arrive at KAFB-106044 cluster and perform O+M
1454	Leave KAFB-106044 cluster for KAFB-106156
1456	Arrived at KAFB-106156 ~~SM AH~~ cluster and perform O+M
1526	Leave KAFB-106156 cluster for KAFB-106151
1528	Arrived at KAFB-106151 and performed O+M
1558	Left KAFB-106151 for field trailer
1602	Arrived 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.

S. Miles
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM SM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: TEAM 1 DATE: 4/27/2021 SL

WEATHER: Mostly Cloudy H: 63

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
BERNIE BOCKISCH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
J. MESSENGER	EA team #1
SINDY LAVERCELLA	
DYLAN SCHMEELK	

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 Wh0003 [X]	YSI Professional Plus 15K101396 Wh0001 [ ]	YSI Professional Plus 15L100541 Wh0002 [ ]
MiniRAE 3000 592-915778 Wh0005 [ ]	MiniRAE 3000 592-915790 Wh0004 [X]	MiniRAE 3000 592-915579 Wh0006 [ ]
Hach 2100Q 15100C045025 Wh0007 [X]	Hach 2100Q 15100C044633 Wh0009 [ ]	Geotech Turbidity Meter 18081855 [ ]
Solinst Water Level Meter 350333 WH0567 (750 ft) [ ]	Solinst Water Level Meter 253053 WH0012 [ ]	Geotech Water Level Meter 0001 WH0570 [ ]
Solinst Water Level Meter 350334 WH0566 [X]	Solinst Water Level Meter 253056 WH0571 [ ]	[ ]

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)

—	Sampled wells: KAFB-106001, KAFB-106020, KAFB-106080

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

07:24	leave field trailor for Gas station
07:31	Arrive at Gas Station
07:34	leave Gas Station for KAFB-106020
07:45	Arrive at KAFB ~~106007~~ SL 106020

DQCR Page 1 of 2

Reviewed by: [signature] Reviewed date: 5/4/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/27/21

	4. WORK PERFORMED (Continued)
09:13	Sampled KAFB-106020
10:17	Leave KAFB-106020 for field trailer
10:29	Arrive at field trailor
10:32	leave field trailor for KAFB-106001
10:36	Arrive at KAFB-106001
11:47	Sampled KAFB-106001
12:37	Leave KAFB-106001 for field trailer
12:40	Arrive at field trailor
12:42	Leave field trailor for KAFB-106080
1300 ~~12:49~~	Arrive at KAFB-10680
1440 ~~1300~~	Sampled KAFB-10680
1543	Leave KAFB-10680 for field trailer
1545	Arrive at field trailor

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.

Sindy Lamricella
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by:

Reviewed date: 5/4/2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team 2 DATE: 4-27-2021

WEATHER: warm, light winds

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/~~Scott Miles~~	EA -
Scott Miles	EA

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

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

0729	Leave field trailer for KAFB-106248
0741	Arrived at KAFB-106248 and performed O+M
0753	Left KAFB-106248 for KAFB-106068 cluster
0756	Arrived at KAFB-106069, KAFB-106068 and KAFB-106067 ~~to~~ SM

DQCR Page 1 of ~~2~~ 3 SM

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-27-21

4. WORK PERFORMED (Continued)	
	perform O+M
0821	Left KAFB-106068 cluster for KAFB-106010
0822	Arrived at KAFB-106010 ~~to~~ cluster. perform O+M on KAFB-106010 and KAFB-10655
0841	Left KAFB-106010 cluster for KAFB-106096 cluster
0842	Arrived at KAFB-106096 cluster. ~~to~~ perform O+M on KAFB-106094,
	KAFB-106095, and KAFB-106096.
0906	Left KAFB-106096 cluster for KAFB-106065 cluster
0908	Arrived at KAFB-106065 cluster and performed O+M on
	KAFB-106028, KAFB-106065, and KAFB-106066 and KAFB-10637
1024	Left KAFB-106065 cluster for KAFB-106020
1028	Arrived at KAFB-106020 and performed O+M
1134	Left KAFB-106020 for KAFB
1139	Arrived at KAFB-106098 cluster and performed O+M on
	KAFB-106097 and KAFB-106098
1208	Left KAFB-106098 cluster for KAFB-106004 cluster
1211	Arrived at KAFB-106004 cluster and performed O+M on
	KAFB-106004, KAFB-106099 and KAFB-106100 and KAFB-106244
1248	~~1225~~ Left KAFB-106004 cluster for field trailer
1257	Arrived at field trailer
1311	Left field trailer for KAFB-106213 cluster
1321	Arrived at KAFB-106213 cluster and performed O+M on
	~~1403~~ KAFB-106213, KAFB-106214, and KAFB-106215
1406	Left KAFB-106213 cluster for KAFB-106212 cluster ~~and~~
1410	~~perform~~ Arrived at KAFB-106212 cluster and performed O+M on
	~~1506~~ KAFB-106212, KAFB-106035, KAFB-106036, and KAFB-106037
1507	Left KAFB-106212 cluster for 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.

Scott Miles
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 3

Reviewed by: _____ Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-27-21

4. WORK PERFORMED (Continued)	
1510	Arrived at KAFB-106022 and performed O&M
1540	Left KAFB-106022 for field trailer
1550	Arrived 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.

Scott Miles
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: _____

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: TEAM #1 - Sampling DATE: 4-28-21

WEATHER: Mostly Cloudy 41:55°

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
BERNIE BUSKISCH	EA - Site Manager/Supervisor
PETE FERRARI	EA - Site Health and Safetly Office
J. MESSENGER	3 EA Team #1
S. LAURICELLA	

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☒	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

—	Sampled well KAFB-106009, Took ER 212-04
	~~Took~~

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

0746	leave field trailor for KAFB-106009
0748	Arrive at KAFB-106009
0922	Sampled KAFB-106609
1018	leave KAFB-106009 for field trailer

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-28-21

4. WORK PERFORMED (Continued)	
1022	Arrive at field trailor
1229	TOOK ER 212-84

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.

SINDY LAURICELLA
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team #2 DATE: 4-28-2021

WEATHER: Rain, Sun, Warm, Cold, calm

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
Bernard Bockisch	EA - Site Manager/Supervisor
Peter Ferrari	EA - Site Health and Safetly Office
Scott Miles	EA } Team #2
Dylan Schweelk	EA }

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

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

0935	Leave field trailer for <90-day yard
0937	Arrive at <90-day yard
0944	Leave ~~KAFB-1~~ <90-day yard for field trailer
0950	Arrive at field trailer

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-28-2021

4. WORK PERFORMED (Continued)	
1045	Leave ~~KAFB~~ Field trailer for KAFB-1065I cluster
1042	Arrive at KAFB-1065I cluster
~~115T~~	Perform O&M on KAFB-1065I, KAFB-106076, KAFB-106077, KAFB-106078.
1151	Leave KAFB-1065I cluster for field trailer
1156	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: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team #1 DATE: 4-29-2021

WEATHER: Intermittently Warm and Cool, breezy.

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 Schweelk	EA - Sample and O&M
Scott St. Miles	EA - Sample and O&M

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

0858	Found BFF trailer gate open and KAFB-106059 well unlocked. See below for actions taken.
1058	Nathan Martinez with City of Albuquerque stopped by while we were performing O&M on GMC wells. The city has taken over management of GMC, and will therefore be our new contact for notification/ permission to perform groundwater monitoring activities on GMC wells. Contact Nathan Martinez: Office 768-4230, Mobil 681-4194, email nathanmartinez @cabq.gov

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

0854	Leave field trailer for KAFB-106059 cluster
0858	Arrive at KAFB-106059, Found BFF trailer gate locked but unlatched and opened. Lock on KAFB-106059 was not latched. Deployed bailer to verify that ...

DQCR Page 1 of 2

Reviewed by: JM Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4-29-2021

	4. WORK PERFORMED (Continued)
	nothing ~~was~~ out of the ordinary was in the well, and found only a very thin layer of LNAPL (~1mm) on top of water. This is consistant with recently bailing LNAPL prior to sampling.
	Performed O&M on KAFB-106059, KAFB-106061, KAFB-10659, ~~and KAFB-106151~~ X
108	Leave KAFB-106059 cluster for field trailer
1022	Arrive at field trailer
1030	Leave field trailer for KAFB-106034 cluster
1042	Arrive at KAFB-106034 cluster and perform O&M on KAFB-106032, KAFB-106033, and KAFB-106034
1137	Leave KAFB-106034 cluster for KAFB-106090 cluster
1144	Arrive at KAFB-106090 cluster ~~and perform O&M on KAFB-106~~ X
1204	Leave KAFB-106090 cluster for KAFB-106075 cluster
1210	Arrive at KAFB-106075 cluster
1333	Sampled KAFB-106075
	Performed O&M on KAFB-106075, KAFB-106074, and KAFB-106073.
1456	Leave KAFB-106075 cluster for field trailer
1508	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 Schweik
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: JM

Reviewed date: 4-30-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Gauging DATE: 5-10-21

WEATHER: low-mid 80s ; 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 Safetly Office - Team #1
J. Messenger	EA - Team #1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

-	Gauged 25 AECOM Wells

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

0713	Left field office - 0718 Arrived @ KAFB-0510
0724	Left KAFB-0510 - 0728 Arrived @ KAFB-3392 - 0736 Left KAFB-3392
0740	Arrived @ KAFB-8281 - 0747 Left KAFB-8281 - 0756 Arrived @
	KAFB-8351 - 0802 Left KAFB-8351 - 0822 Arrived @ KAFB-04/17

Reviewed by: A/C Brack

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 5-10-21

4. WORK PERFORMED (Continued)	
0828	Left KAFB-0417 – 0833 Arrived @ KAFB-0120 – 0839 Left
	KAFB-0120 – 0841-Arrived @ KAFB-0118 – 0118 Left KAFB-0118
0856	Arrived @ KAFB-0121 – 0902 Left KAFB-0121 – 0910 Arrived @
	KAFB-0518 – 0917 Left KAFB-0518 – 0924 Arrived @ KAFB-0524
0930	Left KAFB-0524 – 0933 Arrived @ KAFB-0508 – 0940 Left KAFB-0508
0944	Arrived @ KAFB-0520 – 0953 Left KAFB-0520 – 1005 Arrived @
	KAFB-0219 – 1015 Left KAFB-0219 – 026 Arrived @ KAFB-0517
1034	Left KAFB-0517 – 1044 Arrived @ KAFB-0514 – 1048 Left
	KAFB-0514 – 1053 Arrived @ KAFB-0525 – 1100 Left
	KAFB-0525 – 1103 Arrived @ KAFB-0222 – 1110 Left KAFB-0222
	~~Arrived @ KAFB – Left KAFB~~
1110	As we left KAFB-0222 passenger front tire began deflating – changed
	tire – 1150 tire replaced, continued mission
1156	Arrived @ KAFB-0522 – 1216 Left KAFB-0522
1217	Arrived @ KAFB-0512R – 1227 Left KAFB-0512R
1230	Arrived @ KAFB-0507R – 1239 Left KAFB-0507R
1242	Arrived @ KAFB-0504 – 1253 Left KAFB-0504
1256	Arrived @ KAFB-0505 – 1303 Left KAFB-0505
1305	Arrived @ KAFB-2628 – 1311 Left KAFB-2628
1314	Arrived @ KAFB-2629 – 1324 Left KAFB-2629
1334	Arrived @ KAFB-0213 – 1345 Left KAFB-0213
1400	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.

Name: J. Messenger

Signature:

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: Alc Brun

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team #2 DATE: 5-10-2021

WEATHER: High of 80°F, clear, winds from SW up to 25 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 - Gauging
Sindy Lavricella	EA - Gauging
SL	

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☑	Solinst Water Level Meter 253056 WH0571 ☑	☐

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 gauged: KAFB-106156, KAFB-106151, KAFB-10659, KAFB-106014, KAFB-10633, KAFB-106079, KAFB-106080, KAFB-106009, KAFB-106005, KAFB-106008, KAFB-106152, KAFB-106153, KAFB-106059, KAFB-106155, KAFB-106006, KAFB-10658, KAFB-106155, KAFB-106151, KAFB-106076, KAFB-106150, KAFB-106149, KAFB-106510, KAFB-106048, KAFB-106001, KAFB-106154, KAFB-106028, KAFB-106065, KAFB-106057, KAFB-106067, KAFB-106069, KAFB-106010, KAFB-106055, KAFB-106094

SL

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

0800	Leave field trailer for KAFB-106156 ~~and gauge~~
0804	Arrive at KAFB-106156
0828	Leave KAFB-106156 for KAFB-106151 cluster
0831	Arrive at KAFB-106151 cluster

DQCR Page 1 of 3

Reviewed by: AK Brack Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 5-10-2021

4. WORK PERFORMED (Continued)	
0854	Leave KAFB-106151 for field trailer
0858	Arrive at field trailer
0859	Leave field trailer for KAFB-106014 cluster
0905	Arrive at KAFB-106014 cluster
0925	Leave KAFB-106014 cluster for KAFB-106079
0925	Arrive at KAFB-106079 cluster ~~for~~ SL
0950	leave KAFB-106079 cluster for KAFB-106009
0951	Arrive at KAFB-106009 cluster
1002	leave KAFB-106009 cluster for KAFB-106005
1003	Arrive at KAFB-106005 ~~cluster~~ SL
1013	~~1009~~ SL leave KAFB-106005 ~~cluster~~ SL for KAFB-106008 cluster
1015	Arrive at KAFB-106008 cluster
1040	leave KAFB-106008 cluster for KAFB-106053
1041	Arrive at KAFB-106053
1055	leave KAFB-106053 for KAFB-106059
1056	Arrive at KAFB-106059
1118	leave KAFB-106059 for KAFB-106153
1120	Arrive at KAFB-106153
1130	leave KAFB-106153 for KAFB-106058 cluster ~~KAFB-106058 cluster~~
1130	Arrive at KAFB-1058 cluster
1148	Leave KAFB-106058 cluster for KAFB-106155
1149	Arrive at KAFB-106153
1200	leave KAFB-106153 for KAFB-106051 cluster
1200	Arrive at KAFB-106051
1232	leave KAFB-106051 for KAFB-106149
1234	Arrive at KAFB-106149 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.

SINDY LAVERICELLA
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 3

Reviewed by:

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 5-10-2021

4. WORK PERFORMED (Continued)	
1258	leave KAFB-106149 cluster for KAFB-106148
1259	Arrive at KAFB-106148
1311	leave KAFB-106148 for KAFB-106001
1312	Arrive at KAFB-106001
1324	leave KAFB-106001 for KAFB-106154
1325	Arrive at KAFB-106154
1335	leave KAFB-106154 for KAFB-106028SE cluster
1350	Arrive at KAFB-106028SE cluster
1426	leave KAFB-106026 cluster for KAFB-106067 cluster
1427	Arrive at KAFB 106067 cluster
1452	leave KAFB-106067 cluster for KAFB-106010 cluster
1454	Arrive at KAFB-106010 cluster
1521	leave KAFB-106010 cluster for KAFB-106094
1522	Arrive at KAFB-106094
1541	leave KAFB-106094 for field trailer
1552	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.

SINDY LAURICELLA
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 3 of 3

Reviewed by: AK Brack

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: team #1 gauging DATE: 05/11/2021

WEATHER: Mostly Sunny, light wind, mid 70s

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	**Organization**
B. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safetly Office
J. Messenger	EA team 1
A. Shafer	EA team 1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253063 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

—	Gauged 6 USGS wells & 24 EA wells (30 total)

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

0705	left QWTS trailer
0715	arrived at CC-1F and met USGS
0722	gauged CC-1F
0731	left CC-1F

DQCR Page 1 of 2 jm 3

Reviewed by: A R Bra Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 05/11/2021

4. WORK PERFORMED (Continued)	
0737	arrived at SOIF
0746	left SOIF ~~at AS~~
0755	arrived at TR-1A
0806	left ~~AS~~ TR-1A
0814	arrived at JL-C
0824	left JL-C
0831	arrived at DSD-3
0840	left DSD-3
0919	arrived at MP-B
0926	left MP-B
0950	arrived at Velero Gibson / Carlisle
0955	left Velero
1011	arrived at well 106-003 cluster
1030	left 106003 cluster
1032	arrived at 106002
1042	left KAFB-106002
1045	arrived at KAFB-106012R
1052	left at KAFB-106012R
1054	arrived at KAFB-1054-446
1101	left KAFB-1054-446
1102	arrived at KAFB-106081
1111	left KAFB-106081
1113	arrived at KAFB-106011
1119	left KAFB-106011
1125	arrived at KAFB-245-460
1135	left KAFB-245-460

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.

Aspen Shafer
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2 ~~3~~

Reviewed by: A K Brau

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 05/11/2021

4. WORK PERFORMED (Continued)	
1211	arrived at KAFB-106044 cluster
1233	left KAFB-106044 cluster
1237	arrived at KAFB-106016
1247	left KAFB-106016
1252	arrived at KAFB-3411
1305	left KAFB-3411
* 1309	arrived at KAFB-106060 cluster
1328	left KAFB-106060 cluster
1338	arrived at KAFB-106247
1347	left KAFB-106247
1348	arrived at KAFB-106007
1359	left KAFB-106007
1400	arrived at KAFB-106251
1403	Left KAFB-106251
1406	arrived at KAFB-106077 cluster
1422	left KAFB-106077 cluster
1424	arrived at KAFB-106024
1435	left KAFB-106024
1448	arrived at KAFB-106048 cluster
1451	~~left 106048 cluster~~ AS KAFB-106048 = 475.87 @ 1451
1457	KAFB-106047 = 476.13 @ 1457
1503	KAFB-106046 = 476.06
1507	Left KAFB-106048 cluster
1512	arrived at KAFB-106062 - KAFB-106062 DTW = 474.36
1525	left KAFB-106062 - 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.

Aspen Shafer
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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

Reviewed by: A K Brad

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team #3 gauging DATE: 05/11/21

WEATHER: Sunny, Winds 36-4mph in Afternoon, high 74°

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
Bernie Bockisch	EA - Site Manager/Supervisor
Pete Ferrari	EA - Site Health and Safetly Office / Team #3
Aaron Kupper	EA - Team #3

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☑	Geotech Water Level Meter 0001 WH0570 ☑
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

— Gauged 29 EA wells

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

0735	Left Trailer
0744	Arrive at KAFB-106201 cluster
0812	Depart
0820	Arrive at KAFB-106015

DQCR Page 1 of 2 3

Reviewed by: A K Brown Reviewed date: 6/21/21

201 481.90
203 482.94
202 483.72 → 482.72

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 5/11/2021

4. WORK PERFORMED (Continued)	
0828	Left KAFB-106015
0832	At KAFB-106209 cluster (Arrived)
0912	Left KAFB-106219 Cluster
0923	Arrive to regauge 201, 202, 203
	202 → 482.72 201 → 481.91 → good
0942	Departed KAFB-106201 Cluster
0951	Arrive at KAFB-106207 cluster (stripped bolt
	207 468.56 208 468.31 209 467.91
1021	Depart 207 cluster
1025	Arrive at KAFB-106204 cluster
	204 456.98 457.44-205 1046 206 457.59
	206 well got moved on APD
1110	Left KAFB-106204 Cluster
1115	Arrived at KAFB-106222 Cluster (double checked)
	222 457.65 223 458.32
1152	Gauge 224 459.44
1203	Arrived at KAFB 106216 Cluster
	218 458.46 217 458.31 216 456.38
1241	Left KAFB 106216 Cluster
1250	Arrived at Trailer
1255	Left Trailer
1304	Arrive at KAFB-106055 cluster (stripped bolt at 055
	058 450.27 057 449.73 055 449.37 241-428
	448.94
1345	Left KAFB-106055 Cluster Arrived at KAFB 106041 cluster
	42-448.14 041 448.38 043 448.36

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.

Pete Ferraro — Name
Pete Ferraro — Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 3

Reviewed by: A K Brau

Reviewed date: 6/24/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 5/11/2021

4. WORK PERFORMED (Continued)	
1430	Leave KAFB-106041 cluster
1435	Arrive at KAFB-106105
1443	105 446.01 105 ~~1443~~ 446.13 107-446.22
1520	Left KAFB-106105 cluster
1531	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.

Pete Ferrari
Name

Pete Ferrari
Signature

EA Engineering, Science and Technology Inc., PBC

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

Reviewed by: Alc Brown

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team #1 - Gauging DATE: 5-12-21

WEATHER: Sunny and 75°F

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
B. Backisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safetly Office
J. Messenger +	EA - Team #1
A. Shafer	EA - Team #1

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☒	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☒	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

~~0707~~	~~left GWTS trailer AES~~
~~0719~~	~~arrived at KAFB-106020 AES~~
~~0728~~	~~left KAFB AES~~
	gauged 29 EA wells
	gauged 3 Sundance wells
	AS

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

0707	left GWTS trailer
0719	arrived at KAFB-106020
0728	left KAFB-106020
0731	arrived at KAFB-106074 cluster

DQCR Page 1 of 2

Reviewed by: AK Brann Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 05/12/2021

4. WORK PERFORMED (Continued)

0757	left KAFB-106074 cluster
0801	arrived at KAFB-106097 cluster / left KAFB-106097 cluster 0818
0822	arrived at KAFB-106240 / left KAFB-106240 0829
0834	arrived at KAFB-106083 cluster / left KAFB-106083 cluster 0917
0920	arrived at KAFB-106068 / left KAFB-106068 0931
0934	arrived at KAFB-106066 / left KAFB-106066 0943
0956	arrived at KAFB-106004 cluster / left KAFB-106004 cluster 1030
1035	arrived at KAFB-106096 cluster / left KAFB-106096 cluster 1120
1125	arrived at KAFB-106038 cluster / left KAFB-106038 cluster 1147
1149	arrived at KAFB-106019 / left KAFB-106019 1200
1201	arrived at KAFB-106248-452 / left KAFB-106248-452 1208
1210	Arrived @ KAFB-106017 / KAFB-106211 / left KAFB-106017 / KAFB-106211 1237
1240	arrived @ KAFB-106033 cluster / left KAFB-106033 cluster 1305
1321	arrived @ KAFB-106250 / left KAFB-106250 1334
1338	arrived @ KAFB-106251 / left KAFB-106251 1354
1357	arrived @ KAFB-~~106016~~ AS 106249 / left KAFB-~~106016~~ AS 106249 @1424
1432	arrived back at field trailer. EOD
	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.

Aspen Shafer
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: A/C Brun

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Team #2 DATE: 5-12-2021

WEATHER: high of 73°F, clear, breezy with gusts up to 32mph

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 - gauging
Sindy Lavricella	EA - gauging

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 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 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☑	Geotech Water Level Meter 0001 WH0570 ☑
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

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)

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

0742	Leave field trailer for KAFB-106213 cluster
0748	Arrive at KAFB-106213, KAFB-106214, KAFB-106215, Gauge all 3 wells
0809	Leave KAFB-106213 cluster for KAFB-106035 cluster

Reviewed by: A K Black Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 5-12-2021

4. WORK PERFORMED (Continued)	
0810	Arrive at KAFB-106035, KAFB-106036, KAFB-106037,
	KAFB-106212 Gauge all 4x wells
0840	leave KAFB-106035 cluster for KAFB-106022
0841	Arrive at KAFB-106022 & Gauged
0851	leave KAFB-106022 for KAFB-106023 cluster
0852	Arrive at KAFB-106023, KAFB-106103, KAFB-106104 and
	Gauged all 3x wells
0913	leave KAFB-106023 cluster for KAFB-106089 cluster
0915	Arrive at KAFB-106089, KAFB-106090 ~~gauged all 4x wells~~ SL
	KAFB-106088, KAFB-106243 gauged all ~~3x~~ SL 4x wells
0950	leave KAFB-106089 cluster for KAFB-106091 cluster
0951	Arrive at KAFB-106091, KAFB-106092, KAFB-106093,
	KAFB 706229 Gauged all 4x wells
1045	leave KAFB-106091 cluster for KAFB-106052 cluster
1046	Arrive at KAFB-106052, KAFB-106052, KAFB-106054
	Gauged all 3x wells.
SL 1114	leave KAFB-106052 cluster for KAFB-106235
SL 1115	Arrive at KAFB-106235 & Gauged all wells.
1142	leave KAFB-106235 for KAFB-106049 cluster
1143	Arrive at KAFB-106049, KAFB-106050, KAFB-106051
	Gauged all 3x wells.
1218	leave KAFB-106049 cluster for KAFB-106025
1219	Arrive at KAFB-106025 & Gauged
1229	leave KAFB-106025 for KAFB-106226 cluster
1233	Arrive at KAFB-106226, ~~KAFB-106250~~ SC.
	KAFB-106227, KAFB-106252, KAFB-106225 Gauged all 4x wells

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.

Sindy Valencia
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 3

Reviewed by: [signature]

Reviewed date: 6/21/21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 5-12-2021

4. WORK PERFORMED (Continued)	
1347	leave KAFB-106226 cluster for field trailer
1358	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.

SINDY LAURICELLA
Name

Signature

EA Engineering, Science and Technology Inc., PBC

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

Reviewed by: A K Brau

Reviewed date: 6/21/21

1 of 1

Daily Log

US01-030 KAFB BFF - Groundwater Monitoring Q2

April 21, 2021

10:00 - Arrive @ Sundance trailer. Safety tailgate. Load nitrogen tank bracket onto truck

10:20 - Depart trailer to pick up Horiba & nitrogen

10:44 - Arrive @ shop and pick up tanks

10:54 - Depart for Riley's to get Horiba

11:16 - Pull over to better secure tanks to prevent shifting

11:20 - Arrive @ Riley's for Horiba

11:24 - Depart Riley's for KAFB

11:45 - Arrive @ trailer. Calibrate & load equipment

12:26 - Depart trailer for KAFB-106

12:30 - Arrive @ KAFB-106251

~~collect GW251-212 and GW251-612 KC~~

1422 - Depart KAFB-106251 w/out sampling. GW did not pump beyond TOC despite 5 OFF/35 ON & 300psi. Tried to lift pump vertically to untangle any potential kinks, but still did not pump.

1426 - Arrive @ KAFB-106249

1550 - COLLECT GW249-450-212

1638 - END PURGE. CLEAN UP

1639 - DEPART KAFB-106249 for trailer

1645 - Arrive @ trailer. End day.

REVIEWED BY:

SAMPLER: K. COPELAND

Daily Log

USOI-030

KAFB BFF - Q2 GWM

4/22/2021

0630 - Arrive @ trailer & calibrate
0658 - Depart trailer to get ice
0710 - Buy ice & depart for KAFB-106251-443
0719 - Arrive @ KAFB-106251-443
0720 - Strong petroleum odor upon opening well. PID reading of 22.1 ppm. Call Rachel Hobbs to confirm safest procedure. Decide to position ourselves upwind to reduce exposure. PID continued to have lower reading as time went on. Water had petrol. odor as well.
0905 - collect GW251-443-212 and GW251-443-612
300 psi ; 50 off, 20 on ~330 mL/min
0956 - depart KAFB-106251-443 for KAFB-106250-447
1001 - arrive @ KAFB-106250-447
- D.O. dropped to 0% while pumping, NTU increased slightly and a yellowish tint appeared. Petroleum odor noticeable w/ each H_2O discharge and foamy bubbles float to surface & dissipate.
1057 - Collect GW250-447 (ms/msd)
1148 - Depart KAFB-106250-447 for trailer
1152 - Arrive @ trailer

APPENDIX H-2

Groundwater and Light Non-Aqueous Phase Liquid Measurements

Table H-2-1
Water Level Meter Calibration Data

			Depth to Water (feet below ground surface)			Difference Between Meters (feet)					
			Interface Probe								
Well Identification	**WH0567/35033**	**WH0566/350334[a]**	**WH0012/253053 (control probe)**	**253056/WH0571**	**Geotech 0001/WH0570**	**253053 and 253056**	**253053 and WH0567**	**253053 and WH0566**	**WH0567 and WH0566**	**253053 and 0001**	**253056 and 0001**
KAFB-106235-438	440.07	439.7	440.22	440.21	440.26	0.01	0.15	0.52	0.37	-0.04	-0.05
KAFB-106235-472	440.03	439.69	440.18	440.15	440.23	0.03	0.15	0.49	0.34	-0.05	-0.08
KAFB-106235-501	440.08	439.73	440.22	440.2	440.27	0.02	0.14	0.49	0.35	-0.05	-0.07
					Average Difference	0.02	0.15	0.51	0.36	-0.04	-0.06
Correction Factor	**0.15**	**0.51**	**0**	**0**	**-0.04**						

[a] Due to the correction factor of over 0.50 ft, this meter was not used for Q2 2021 gauging

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Previous Quarter: Depth to LNAPL	Previous Quarter: DTW	Date/Time	PID (ppm)	Depth to LNAPL (ft MRP)	DTW (ft MRP)	WL Meter Used (Serial No.)	Contact
KAFB-106001	--	467.93	5/10/2021 15:16	0	--	467.24	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106002	--	465.42	5/11/2021 12:35	0	--	464.75	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106003	--	463.06	5/11/2021 12:19	0	--	462.49	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106004	--	468.73	5/12/2021 11:57	0	--	468.63	Clean - WH0567 - 350333 - Solinst 750 ft	EA Barricade
KAFB-106005	--	470.5	5/10/2021 12:06	0	469.85	469.86	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106006	--	474.74	5/10/2021 13:39	0	--	474.11	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106007	--	472.77	5/11/2021 15:51	0	--	472.53	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106008	--	475.13	5/10/2021 12:33	0.3	--	474.87	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106009	--	472.23	5/10/2021 11:57	0	--	471.2	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106010	--	467.47	5/10/2021 17:05	0	--	466.58	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106011	--	477.23	5/11/2021 13:16	0	--	476.51	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106012R	--	468.65	5/11/2021 12:46	0	--	468.01	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106013	--	474.21	5/12/2021 10:15	0	--	474.03	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106014	--	474.09	5/10/2021 11:09	0	--	473.48	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106015	--	468.15	5/11/2021 10:20	0	--	467.12	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106016	--	465.16	5/11/2021 14:40	0	--	464.94	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106017	--	467.31	5/12/2021 14:14	0	--	466.4	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106018	--	460.33	5/12/2021 11:12	0	--	459.88	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106019	--	479.24	5/12/2021 13:53	0	--	478.34	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106020	--	464.69	5/12/2021 09:21	0	--	464.21	Intermediate - WH0566 - 350334 - Solinst 500 ft	Call VA Police
KAFB-106021	--	438.86	5/11/2021 12:05	0	--	437.7	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106022	--	443.54	5/12/2021 10:46	0	--	442.83	Clean - WH0012 - 253053 - Solinst 500 ft	Barricades by SWSS
KAFB-106023	--	453.82	5/12/2021 11:10	0	--	453.19	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106024	--	466.63	5/11/2021 16:28	0	--	466.4	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106025	--	442.12	5/12/2021 14:28	0	--	441.52	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106026	--	447.95	5/12/2021 15:43	0	--	446.91	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106027	--	471.38	5/11/2021 14:22	0	--	471.21	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106028	--	472.97	5/10/2021 15:57	0	--	472.16	Hazardous - WH0571 - 253056 - Solinst 500 ft	USS Bullhead
KAFB-106029	--	--	5/11/2021 13:08	0	--	434.27	Intermediate - WH0566 - 350334 - Solinst 500 ft	Barricades by SWSS
KAFB-106030	--	435.64	5/11/2021 13:19	0	--	434.35	Intermediate - WH0566 - 350334 - Solinst 500 ft	Barricades by SWSS
KAFB-106031	--	435.75	5/11/2021 14:19	0	--	434.44	Intermediate - WH0566 - 350334 - Solinst 500 ft	Barricades by SWSS
KAFB-106032	--	441.45	5/12/2021 14:56	0	--	440.82	Clean - WH0567 - 350333 - Solinst 750 ft	Gibson Med. Ctr.
KAFB-106033	--	441.58	5/12/2021 14:51	0	--	440.96	Clean - WH0567 - 350333 - Solinst 750 ft	Gibson Med. Ctr.
KAFB-106034	--	442.44	5/12/2021 14:46	0	--	441.82	Clean - WH0567 - 350333 - Solinst 750 ft	Gibson Med. Ctr.
KAFB-106035	--	447.44	5/12/2021 10:29	0	--	446.67	Clean - WH0012 - 253053 - Solinst 500 ft	Church - make sure you see if anyone is present at the church to inform them that you are there
KAFB-106036	--	447.83	5/12/2021 10:24	0	--	447.1	Clean - WH0012 - 253053 - Solinst 500 ft	Church - make sure you see if anyone is present at the church to inform them that you are there
KAFB-106037	--	448.53	5/12/2021 10:16	0	--	447.75	Clean - WH0012 - 253053 - Solinst 500 ft	Church - make sure you see if anyone is present at the church to inform them that you are there
KAFB-106038	--	476.32	5/12/2021 13:35	0	--	475.71	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106039	--	476.14	5/12/2021 13:27	0	--	475.51	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106040	--	475.05	5/12/2021 13:39	0	--	474.42	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106041	--	449.48	5/11/2021 16:06	0	--	448.38	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106042	--	449.22	5/11/2021 15:51	0	--	448.14	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106043	--	449.44	5/11/2021 16:22	0	--	448.36	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106044	--	471.53	5/11/2021 14:14	0	--	471.34	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106045	--	471.22	5/11/2021 14:26	0	--	471.07	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106046	--	476.37	5/11/2021 17:03	0	--	476.06	Clean - WH0567 - 350333 - Solinst 750 ft	EA Barricade
KAFB-106047	--	476.47	5/11/2021 16:57	0	--	476.13	Clean - WH0567 - 350333 - Solinst 750 ft	EA Barricade
KAFB-106048	--	476.2	5/11/2021 16:51	0	--	475.87	Clean - WH0567 - 350333 - Solinst 750 ft	EA Barricade
KAFB-106049	--	440.55	5/12/2021 14:03	0	--	439.94	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106050	--	439.96	5/12/2021 14:14	0	--	439.35	Clean - WH0012 - 253053 - Solinst 500 ft	--

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Reference Point	Collected By (initials)	Well Designation	Hazardous Code	Team	InNetwork	Notes	Difference In Previous DTW and Current DTW	Color Change	Sampled
KAFB-106001	TOPC	DS	--	Intermediate	Team 2	Yes	--	0.69	--	Sampled
KAFB-106002	TOPC	JM	--	Clean	Team 1	Yes	--	0.67	--	Sampled
KAFB-106003	TOPC	JM	--	Clean	Team 1	Yes	--	0.57	--	Sampled
KAFB-106004	TOPC	JM	--	Clean	Team 1	Yes	--	0.1	--	Sampled
KAFB-106005	TOPC	DS	--	Hazardous	Team 2	Yes	--	0.64	--	Sampled
KAFB-106006	TOPC	DS	--	Intermediate	Team 2	Yes	--	0.63	--	Sampled
KAFB-106007	TOPC	JM	--	Clean	Team 1	Yes	--	0.24	--	Sampled
KAFB-106008	TOPC	DS	--	Hazardous	Team 2	Yes	--	0.26	--	Sampled
KAFB-106009	TOPC	DS	--	Intermediate	Team 2	Yes	--	1.03	--	Sampled
KAFB-106010	TWV	DS	--	Hazardous	Team 2	Yes	--	0.89	--	Sampled
KAFB-106011	TOPC	JM	--	Clean	Team 1	Yes	--	0.72	--	Sampled
KAFB-106012R	TOPC	JM	--	Clean	Team 1	Yes	--	0.64	--	Sampled
KAFB-106013	TOPC	JM	--	Clean	Team 1	Yes	--	0.18	--	Sampled
KAFB-106014	TOPC	DS	--	Hazardous	Team 2	Yes	--	0.61	--	Sampled
KAFB-106015	TOPC	PF	--	Clean	Team 3	Yes	--	1.03	--	Sampled
KAFB-106016	TOPC	JM	--	Clean	Team 1	Yes	--	0.22	--	Sampled
KAFB-106017	TOPC	JM	--	Intermediate	Team 1	Yes	--	0.91	--	Sampled
KAFB-106018	TOPC	JM	--	Intermediate	Team 1	Yes	--	0.45	--	Sampled
KAFB-106019	TOPC	JM	--	Intermediate	Team 1	Yes	--	0.9	--	Sampled
KAFB-106020	TWV	JM	--	Intermediate	Team 1	Yes	--	0.48	--	Sampled
KAFB-106021	TWV	SL	--	Intermediate	Team 2	Yes	--	1.16	--	Sampled
KAFB-106022	TWV	DS	--	Clean	Team 2	Yes	--	0.71	--	Sampled
KAFB-106023	TWV	DS	--	Clean	Team 2	Yes	--	0.63	--	Sampled
KAFB-106024	TWV	JM	--	Clean	Team 1	Yes	--	0.23	--	Sampled
KAFB-106025	TWV	DS	--	Clean	Team 2	Yes	--	0.6	--	Sampled
KAFB-106026	TWV	DS	--	Clean	Team 2	Yes	--	1.04	--	Sampled
KAFB-106027	TOPC	JM	--	Clean	Team 1	Yes	--	0.17	--	Sampled
KAFB-106028	TWV	SL	--	Hazardous	Team 2	Yes	Triple checked	0.81	--	Sampled
KAFB-106029	TWV	SL	--	Clean	Team 2	Yes	--	-434.27	FF0019	Sampled
KAFB-106030	TWV	SL	--	Clean	Team 2	Yes	--	1.29	--	Sampled
KAFB-106031	TWV	SL	--	Clean	Team 2	Yes	--	1.31	--	Sampled
KAFB-106032	TWV	JM	--	Clean	Team 1	Yes	--	0.63	--	Sampled
KAFB-106033	TWV	JM	--	Clean	Team 1	Yes	--	0.62	--	Sampled
KAFB-106034	TWV	JM	--	Clean	Team 1	Yes	--	0.62	--	Sampled
KAFB-106035	TWV	DS	--	Clean	Team 2	Yes	--	0.77	--	Sampled
KAFB-106036	TWV	DS	--	Clean	Team 2	Yes	--	0.73	--	Sampled
KAFB-106037	TWV	DS	--	Clean	Team 2	Yes	--	0.78	--	Sampled
KAFB-106038	TOPC	JM	--	Clean	Team 1	Yes	--	0.61	--	Sampled
KAFB-106039	TOPC	JM	--	Clean	Team 1	Yes	--	0.63	--	Sampled
KAFB-106040	TOPC	JM	--	Clean	Team 1	Yes	--	0.63	--	Sampled
KAFB-106041	TWV	AK	--	Clean	Team 3	Yes	--	1.1	--	Sampled
KAFB-106042	TWV	PF	--	Clean	Team 3	Yes	--	1.08	--	Sampled
KAFB-106043	TWV	AK	--	Clean	Team 3	Yes	--	1.08	--	Sampled
KAFB-106044	TOPC	JM	--	Clean	Team 1	Yes	--	0.19	--	Sampled
KAFB-106045	TOPC	JM	--	Clean	Team 1	Yes	--	0.15	--	Sampled
KAFB-106046	TWV	JM	--	Clean	Team 1	Yes	--	0.31	--	Sampled
KAFB-106047	TWV	JM	--	Clean	Team 1	Yes	--	0.34	--	Sampled
KAFB-106048	TWV	JM	--	Clean	Team 1	Yes	--	0.33	--	Sampled
KAFB-106049	TWV	DS	--	Clean	Team 2	Yes	--	0.61	--	Sampled
KAFB-106050	TWV	DS	--	Clean	Team 2	Yes	--	0.61	--	Sampled

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Water Level Meter Correction Factor	Q2 2021 Depth to LNAPL with Correction Factor	Q2 2021 DTW with Correction Factor	x (ft)	y (ft)
KAFB-106001	0.51	--	467.75	1541363.14	1473586.07
KAFB-106002	0.15	--	464.9	1541053.08	1474013.43
KAFB-106003	0.15	--	462.64	1540421.08	1474020.8
KAFB-106004	0.15	--	468.78	1541041.98	1474362.33
KAFB-106005	0	469.85	469.86	1541905	1474002.7
KAFB-106006	0.51	--	474.62	1542161.37	1473300.47
KAFB-106007	0.15	--	472.68	1542343.71	1472899.29
KAFB-106008	0	--	474.87	1542181.41	1473674.68
KAFB-106009	0.51	--	471.71	1541956.39	1474127.74
KAFB-106010	0	--	466.58	1542453.51	1474764.05
KAFB-106011	0.15	--	476.66	1542896.433	1474009.145
KAFB-106012R	0.15	--	468.16	1541440.55	1474044.49
KAFB-106013	0.15	--	474.18	1541684.82	1474739.55
KAFB-106014	0	--	473.48	1542417.05	1474021.24
KAFB-106015	0	--	467.12	1545225.48	1476465.8
KAFB-106016	0.15	--	465.09	1540990.28	1473167.99
KAFB-106017	0.51	--	466.91	1542925.73	1475232.2
KAFB-106018	0.51	--	460.39	1542429.13	1475434.55
KAFB-106019	0.51	--	478.85	1542979.04	1474716.8
KAFB-106020	0.51	--	464.72	1541872	1475371.04
KAFB-106021	0.51	--	438.21	1542390.51	1476085.8
KAFB-106022	0	--	442.83	1543368.54	1476502.25
KAFB-106023	0	--	453.19	1543710.83	1475672.99
KAFB-106024	0.15	--	466.55	1541590.96	1473522.78
KAFB-106025	0	--	441.52	1542978.17	1477302.34
KAFB-106026	0	--	446.91	1543785.371	1478616.498
KAFB-106027	0.15	--	471.36	1541445.69	1472405.19
KAFB-106028	0	--	472.16	1542332.45	1474333.74
KAFB-106029	0.51	--	434.78	1542389.65	1477077.44
KAFB-106030	0.51	--	434.86	1542391.06	1477106.7
KAFB-106031	0.51	--	434.95	1542391.47	1477135.42
KAFB-106032	0.15	--	440.97	1541598.97	1476185.95
KAFB-106033	0.15	--	441.11	1541565.62	1476185.89
KAFB-106034	0.15	--	441.97	1541583.33	1476155.04
KAFB-106035	0	--	446.67	1543639.04	1476443.6
KAFB-106036	0	--	447.1	1543663.49	1476444.07
KAFB-106037	0	--	447.75	1543688.85	1476443.77
KAFB-106038	0.15	--	475.86	1543316.38	1475065.78
KAFB-106039	0.15	--	475.66	1543341.79	1475069.56
KAFB-106040	0.15	--	474.57	1543324.67	1475090.92
KAFB-106041	0	--	448.38	1543650.39	1477947.56
KAFB-106042	0	--	448.14	1543622.936	1477938.643
KAFB-106043	0	--	448.36	1543619.53	1477955
KAFB-106044	0.15	--	471.49	1541451.19	1472375.75
KAFB-106045	0.15	--	471.22	1541421.09	1472404.27
KAFB-106046	0.15	--	476.21	1542839.32	1473608.11
KAFB-106047	0.15	--	476.28	1542782.58	1473605.53
KAFB-106048	0.15	--	476.02	1542808.16	1473623.97
KAFB-106049	0	--	439.94	1542710.92	1477685.67
KAFB-106050	0	--	439.35	1542711.84	1477764.62

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Previous Quarter: Depth to LNAPL	Previous Quarter: DTW	Date/Time	PID (ppm)	Depth to LNAPL (ft MRP)	DTW (ft MRP)	WL Meter Used (Serial No.)	Contact
KAFB-106051	--	440.25	5/12/2021 14:07	0	--	439.66	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106052	--	443.73	5/12/2021 12:56	0	--	443.08	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106053	--	443.67	5/12/2021 13:01	0	--	443.01	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106054	--	443.27	5/12/2021 13:11	0	--	442.62	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106055	--	450.31	5/11/2021 15:23	0	--	449.37	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106057	--	450.67	5/11/2021 15:18	0	--	449.73	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106058	--	451.23	5/11/2021 15:07	0	--	450.27	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106059	471.09	471.1	5/10/2021 13:06	0.7	470.85	470.85	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106060	--	468.64	5/11/2021 15:14	0	--	468.39	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106061	--	468.64	5/11/2021 15:21	0	--	468.38	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106062	--	474.66	5/11/2021 17:10	0	--	474.06	Clean - WH0567 - 350333 - Solinst 750 ft	APTIM Yard
KAFB-106063	--	--	5/10/2021 12:18	0	--	--	--	APTIM Yard
KAFB-106064	--	--	5/10/2021 12:17	0	--	--	--	APTIM Yard
KAFB-106065	--	472.83	5/10/2021 16:22	0	--	471.67	Intermediate - WH0566 - 350334 - Solinst 500 ft	USS Bullhead
KAFB-106066	--	473.12	5/12/2021 11:39	0	--	472.67	Clean - WH0567 - 350333 - Solinst 750 ft	USS Bullhead
KAFB-106067	--	472.02	5/10/2021 16:35	0	--	470.75	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106068	--	471.88	5/12/2021 11:24	0	--	471.34	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106069	--	471.64	5/10/2021 16:47	0	--	470.37	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106070	--	443.6	5/11/2021 10:55	0	--	442.4	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106071	--	445.8	5/11/2021 11:12	0	--	444.62	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106072	--	444.1	5/11/2021 11:02	0	--	442.91	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106073	--	463.64	5/12/2021 09:51	0	--	463.43	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106074	--	464.35	5/12/2021 09:32	0	--	464.15	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106075	--	464.34	5/12/2021 09:39	0	--	464.13	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106076	468.15	468.16	5/10/2021 14:10	0.2	467.58	467.59	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106077	--	469.29	5/11/2021 16:08	0	--	469.11	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106078	--	468.45	5/11/2021 16:17	0	--	468.26	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106079	--	473.68	5/10/2021 11:36	0	--	473.05	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106080	--	472.25	5/10/2021 11:45	0	--	471.2	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106081	--	473.41	5/11/2021 13:05	0	--	472.77	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106082	--	459.62	5/12/2021 10:54	0	--	459.41	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106083	--	459.27	5/12/2021 10:41	0	--	459.08	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106084	--	462.08	5/12/2021 11:01	0	--	461.89	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106085	--	441.91	5/11/2021 10:32	0	--	440.72	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106086	--	442.29	5/11/2021 10:20	0	--	441.11	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106087	--	441.49	5/11/2021 10:07	0	--	440.32	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106088	--	449.39	5/12/2021 11:35	0	--	448.88	Intermediate - WHO570 - 0001 - Geotech 500 ft	--
KAFB-106089	--	449.1	5/12/2021 11:30	0	--	448.48	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106090	0	447.94	5/12/2021 11:24	0	--	447.35	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106091	--	439.69	5/12/2021 12:33	0	--	439.56	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106092	--	439.59	5/12/2021 12:11	0	--	439.94	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106093	--	439.53	5/12/2021 12:23	0	--	439.35	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106094	--	469.12	5/10/2021 17:26	0	--	467.87	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106095	--	468.68	5/12/2021 13:03	0	--	468.16	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106096	--	469.27	5/12/2021 13:14	0	--	468.79	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106097	--	471.15	5/12/2021 10:08	0	--	470.98	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106098	--	471.26	5/12/2021 10:03	0	--	471.08	Clean - WH0567 - 350333 - Solinst 750 ft	Call VA Police
KAFB-106099	--	465.69	5/12/2021 12:14	0	--	465.59	Clean - WH0567 - 350333 - Solinst 750 ft	EA Barricade
KAFB-106100	--	465.7	5/12/2021 12:03	0	--	465.61	Clean - WH0567 - 350333 - Solinst 750 ft	EA Barricade
KAFB-106101	--	463.3	5/11/2021 12:14	0	--	462.71	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106102	--	463.42	5/11/2021 12:25	0	--	462.8	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106103	--	454.07	5/12/2021 11:06	0	--	453.44	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106104	--	453.5	5/12/2021 11:02	0	--	452.88	Clean - WH0012 - 253053 - Solinst 500 ft	--

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Reference Point	Collected By (initials)	Well Designation	Hazardous Code	Team	InNetwork	Notes	Difference In Previous DTW and Current DTW	Color Change	Sampled
KAFB-106051	TWV	DS	--	Clean	Team 2	Yes	--	0.59	--	Sampled
KAFB-106052	TWV	DS	--	Clean	Team 2	Yes	Triple checked	0.65	--	Sampled
KAFB-106053	TWV	DS	--	Clean	Team 2	Yes	--	0.66	--	Sampled
KAFB-106054	TWV	SL	--	Clean	Team 2	Yes	--	0.65	--	Sampled
KAFB-106055	TWV	PF	--	Clean	Team 3	Yes	--	0.94	--	Sampled
KAFB-106057	TWV	AK	--	Clean	Team 3	Yes	--	0.94	--	Sampled
KAFB-106058	TWV	AK	--	Clean	Team 3	Yes	--	0.96	--	Sampled
KAFB-106059	TOPC	SL	--	Hazardous	Team 2	Yes	--	0.25	--	Sampled
KAFB-106060	TWV	JM	--	Clean	Team 1	Yes	--	0.25	--	Sampled
KAFB-106061	TWV	JM	--	Clean	Team 1	Yes	--	0.26	--	Sampled
KAFB-106062	TOPC	JM	--	Clean	Team 1	Yes	--	0.6	--	Sampled
KAFB-106063	TOPC	DS	--	Hazardous	Team 2	Yes	APTIM equipment in well - did not gauge	--	--	Sampled
KAFB-106064	TOPC	DS	--	Hazardous	Team 2	Yes	APTIM equipment in well - did not gauge	--	--	Sampled
KAFB-106065	TWV	DS	--	Intermediate	Team 2	Yes	Triple checked measurement	1.16	--	Sampled
KAFB-106066	TWV	JM	--	Clean	Team 1	Yes	--	0.45	--	Sampled
KAFB-106067	TWV	DS	--	Intermediate	Team 2	Yes	--	1.27	--	Sampled
KAFB-106068	TWV	JM	--	Clean	Team 1	Yes	--	0.54	--	Sampled
KAFB-106069	TWV	DS	--	Intermediate	Team 2	Yes	--	1.27	--	Sampled
KAFB-106070	TWV	SL	--	Clean	Team 2	Yes	--	1.2	--	Sampled
KAFB-106071	TWV	SL	--	Clean	Team 2	Yes	--	1.18	--	Sampled
KAFB-106072	TWV	SL	--	Intermediate	Team 2	Yes	--	1.19	--	Sampled
KAFB-106073	TWV	JM	--	Clean	Team 1	Yes	--	0.21	--	Sampled
KAFB-106074	TWV	JM	--	Clean	Team 1	Yes	--	0.2	--	Sampled
KAFB-106075	TWV	JM	--	Clean	Team 1	Yes	--	0.21	--	Sampled
KAFB-106076	TWV	DS	--	Intermediate	Team 2	Yes	--	0.57	--	Sampled
KAFB-106077	TWV	JM	--	Clean	Team 1	Yes	--	0.18	--	Sampled
KAFB-106078	TWV	JM	--	Clean	Team 1	Yes	--	0.19	--	Sampled
KAFB-106079	TOPC	DS	--	Hazardous	Team 2	Yes	--	0.63	--	Sampled
KAFB-106080	TOPC	DS	--	Intermediate	Team 2	Yes	--	1.05	--	Sampled
KAFB-106081	TOPC	JM	--	Clean	Team 1	Yes	--	0.64	--	Sampled
KAFB-106082	TWV	JM	--	Clean	Team 1	Yes	--	0.21	--	Sampled
KAFB-106083	TWV	JM	--	Clean	Team 1	Yes	--	0.19	--	Sampled
KAFB-106084	TOPC	JM	--	Clean	Team 1	Yes	--	0.19	--	Sampled
KAFB-106085	TWV	SL	--	Clean	Team 2	Yes	--	1.19	--	Sampled
KAFB-106086	TWV	SL	--	Clean	Team 2	Yes	--	1.18	--	Sampled
KAFB-106087	TWV	SL	--	Clean	Team 2	Yes	--	1.17	--	Sampled
KAFB-106088	TWV	DS	--	Intermediate	Team 2	Yes	--	0.51	--	Sampled
KAFB-106089	TWV	DS	--	Clean	Team 2	Yes	--	0.62	--	Sampled
KAFB-106090	TWV	DS	--	Clean	Team 2	Yes	--	0.59	--	Sampled
KAFB-106091	TWV	DS	--	Clean	Team 2	Yes	--	0.13	--	Sampled
KAFB-106092	TWV	DS	--	Clean	Team 2	Yes	triple checked measurement	-0.35	--	Sampled
KAFB-106093	TWV	SL	--	Clean	Team 2	Yes	Triple checked measurement	0.18	--	Sampled
KAFB-106094	TWV	DS	--	Intermediate	Team 2	Yes	--	1.25	--	Sampled
KAFB-106095	TWV	JM	--	Clean	Team 1	Yes	--	0.52	--	Sampled
KAFB-106096	TWV	JM	--	Clean	Team 1	Yes	--	0.48	--	Sampled
KAFB-106097	TWV	JM	--	Clean	Team 1	Yes	--	0.17	--	Sampled
KAFB-106098	TWV	JM	--	Clean	Team 1	Yes	--	0.18	--	Sampled
KAFB-106099	TWV	JM	--	Clean	Team 1	Yes	--	0.1	--	Sampled
KAFB-106100	TWV	JM	--	Clean	Team 1	Yes	--	0.09	--	Sampled
KAFB-106101	TOPC	JM	--	Clean	Team 1	Yes	--	0.59	--	Sampled
KAFB-106102	TOPC	JM	--	Clean	Team 1	Yes	--	0.62	--	Sampled
KAFB-106103	TWV	DS	--	Clean	Team 2	Yes	--	0.63	--	Sampled
KAFB-106104	TWV	DS	--	Clean	Team 2	Yes	--	0.62	--	Sampled

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Water Level Meter Correction Factor	Q2 2021 Depth to LNAPL with Correction Factor	Q2 2021 DTW with Correction Factor	x (ft)	y (ft)
KAFB-106051	0	--	439.66	1542711.6	1477730.08
KAFB-106052	0	--	443.08	1543040.84	1477672.51
KAFB-106053	0	--	443.01	1543041.51	1477703.79
KAFB-106054	0	--	442.62	1543042.98	1477781.95
KAFB-106055	0	--	449.37	1543760.21	1477305.35
KAFB-106057	0	--	449.73	1543789.49	1477304.36
KAFB-106058	0	--	450.27	1543821.96	1477294.85
KAFB-106059	0	470.85	470.85	1541724.19	1473687.55
KAFB-106060	0.15	--	468.54	1541746.64	1473664.28
KAFB-106061	0.15	--	468.53	1541761.75	1473685.78
KAFB-106062	0.15	--	474.21	1542388.4	1473792.92
KAFB-106063	--	--	--	1542374.57	1473767.49
KAFB-106064	--	--	--	1542362.25	1473792.34
KAFB-106065	0.51	--	472.18	1542290.36	1474327.4
KAFB-106066	0.15	--	472.82	1542332.01	1474378.29
KAFB-106067	0.51	--	471.26	1542744.25	1474720.61
KAFB-106068	0.15	--	471.49	1542720.25	1474730.01
KAFB-106069	0.51	--	470.88	1542722.46	1474703.19
KAFB-106070	0.51	--	442.91	1542893.48	1475945.46
KAFB-106071	0.51	--	445.13	1542898.9	1475837.21
KAFB-106072	0.51	--	443.42	1542893.98	1475911.9
KAFB-106073	0.15	--	463.58	1542196.29	1475264.38
KAFB-106074	0.15	--	464.3	1542173.46	1475245.49
KAFB-106075	0.15	--	464.28	1542204.39	1475234.45
KAFB-106076	0.51	468.09	468.1	1541812.03	1473222.36
KAFB-106077	0.15	--	469.26	1541794.19	1473206.41
KAFB-106078	0.15	--	468.41	1541779.02	1473221.44
KAFB-106079	0	--	473.05	1542256.31	1474082.14
KAFB-106080	0.51	--	471.71	1542220.66	1474033.8
KAFB-106081	0.15	--	472.92	1542140.209	1474130.833
KAFB-106082	0.15	--	459.56	1542574.77	1475336.84
KAFB-106083	0.15	--	459.23	1542529.17	1475343.8
KAFB-106084	0.15	--	462.04	1542560.79	1475361.83
KAFB-106085	0.51	--	441.23	1542567.26	1475985.94
KAFB-106086	0.51	--	441.62	1542555.34	1475972.48
KAFB-106087	0.51	--	440.83	1542554.43	1476005.26
KAFB-106088	-0.04	--	448.84	1543232.67	1475767.14
KAFB-106089	0	--	448.48	1543224.67	1475798.43
KAFB-106090	0	--	447.35	1543219.73	1475826.66
KAFB-106091	0	--	439.56	1543014.07	1476819.31
KAFB-106092	0	--	439.94	1543045.35	1476801.03
KAFB-106093	0	--	439.35	1543045.01	1476830.84
KAFB-106094	0.51	--	468.38	1542113.31	1474714
KAFB-106095	0.15	--	468.31	1542098.42	1474738.41
KAFB-106096	0.15	--	468.94	1542083.64	1474711.47
KAFB-106097	0.15	--	471.13	1541709.25	1474737.32
KAFB-106098	0.15	--	471.23	1541705.67	1474766.54
KAFB-106099	0.15	--	465.74	1541018.04	1474354.75
KAFB-106100	0.15	--	465.76	1541030.89	1474328.58
KAFB-106101	0.15	--	462.86	1540436.45	1474041.06
KAFB-106102	0.15	--	462.95	1540404.67	1474041.4
KAFB-106103	0	--	453.44	1543688.34	1475688.35
KAFB-106104	0	--	452.88	1543665.46	1475706.21

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Previous Quarter: Depth to LNAPL	Previous Quarter: DTW	Date/Time	PID (ppm)	Depth to LNAPL (ft MRP)	DTW (ft MRP)	WL Meter Used (Serial No.)	Contact
KAFB-106105	--	447.15	5/11/2021 16:57	0	--	446.13	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106106	--	447.03	5/11/2021 16:44	0	--	446.01	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106107	--	447.24	5/11/2021 17:08	0	--	446.22	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106148-484	--	467.52	5/10/2021 15:02	2	--	467.14	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106149-484	--	469.49	5/10/2021 14:39	2.4	--	469.14	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106150-484	467.68	468.01	5/10/2021 14:25	4.5	467.33	467.72	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106151-484	--	469.44	5/10/2021 10:35	0	--	469.07	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106152-484	--	471.22	5/10/2021 12:49	1.6	--	470.87	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106153-484	--	472.65	5/10/2021 13:24	0.3	--	472.27	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106154-484	470.73	470.95	5/10/2021 15:27	0.3	470.37	470.4	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106155-484	--	471.11	5/10/2021 13:55	0.2	--	470.76	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106156-484	--	464.36	5/10/2021 10:09	0	--	464.08	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106201	--	484.05	5/11/2021 09:44	0	--	481.9	Clean - WH0012 - 253053 - Solinst 500 ft	Do early in the morning and ensure production well is pumping
KAFB-106202	--	484.77	5/11/2021 11:34	0	--	482.72	Clean - WH0012 - 253053 - Solinst 500 ft	Do early in the morning and ensure production well is pumping
KAFB-106203	--	484.87	5/11/2021 10:03	0	--	482.94	Clean - WH0012 - 253053 - Solinst 500 ft	Do early in the morning and ensure production well is pumping
KAFB-106204	--	458.27	5/11/2021 12:33	0	--	456.98	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106205	--	458.71	5/11/2021 12:46	0	--	457.41	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106206	--	458.86	5/11/2021 13:00	0	--	457.59	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106207	--	470.29	5/11/2021 11:57	0	--	468.56	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106208	--	470.01	5/11/2021 12:04	0	--	468.31	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106209	--	469.4	5/11/2021 12:09	0	--	467.91	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106211	--	Dry	5/12/2021 14:19	0	--	Dry	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106212	--	448.15	5/12/2021 10:36	0	--	447.36	Clean - WH0012 - 253053 - Solinst 500 ft	Church - make sure you see if anyone is present at the church to inform them that you are there
KAFB-106213	--	450.95	5/12/2021 10:06	0	--	450.1	Clean - WH0012 - 253053 - Solinst 500 ft	Church - make sure you see if anyone is present at the church to inform them that you are there
KAFB-106214	--	451.09	5/12/2021 10:02	0	--	450.26	Clean - WH0012 - 253053 - Solinst 500 ft	Church - make sure you see if anyone is present at the church to inform them that you are there
KAFB-106215	--	451.33	5/12/2021 09:58	0	--	450.5	Clean - WH0012 - 253053 - Solinst 500 ft	Church - make sure you see if anyone is present at the church to inform them that you are there
KAFB-106216	--	459.44	5/11/2021 14:32	0	--	458.38	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106217	--	459.34	5/11/2021 14:26	0	--	458.31	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106218	--	459.48	5/11/2021 14:08	0	--	458.46	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106219	--	466.42	5/11/2021 10:32	0	--	464.82	Clean - WH0012 - 253053 - Solinst 500 ft	Barricades by SWSS
KAFB-106220	--	466.01	5/11/2021 10:47	0	--	464.75	Clean - WH0012 - 253053 - Solinst 500 ft	Barricades by SWSS
KAFB-106221	--	465.78	5/11/2021 11:01	0	--	464.53	Clean - WH0012 - 253053 - Solinst 500 ft	Barricades by SWSS
KAFB-106222	--	459.01	5/11/2021 13:20	0	--	457.65	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106223	--	459.64	5/11/2021 13:30	0	--	458.32	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106224	--	460.73	5/11/2021 13:53	0	--	459.44	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106225	--	452.26	5/12/2021 15:00	0	--	451.16	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106226	--	452.82	5/12/2021 14:51	0	--	451.8	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106227	--	453.52	5/12/2021 14:40	0	--	452.54	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106229	--	439.41	5/12/2021 12:03	0	--	439.73	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106230	--	450.13	5/12/2021 15:34	0	--	449.07	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106231	--	453.19	5/11/2021 15:46	0	--	451.08	Intermediate - WH0566 - 350334 - Solinst 500 ft	Barricades by SWSS
KAFB-106232	--	452.68	5/11/2021 15:54	0	--	450.67	Intermediate - WH0566 - 350334 - Solinst 500 ft	Barricades by SWSS
KAFB-106235-438	--	440.88	5/12/2021 13:26	0	--	440.22	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106235-472	--	440.86	5/12/2021 13:31	0	--	440.21	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106235-501	--	440.91	5/12/2021 13:37	0	--	440.28	Clean - WH0012 - 253053 - Solinst 500 ft	--

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Reference Point	Collected By (initials)	Well Designation	Hazardous Code	Team	InNetwork	Notes	Difference In Previous DTW and Current DTW	Color Change	Sampled
KAFB-106105	TWV	AK	--	Clean	Team 3	Yes	--	1.02	--	Sampled
KAFB-106106	TWV	AK	--	Clean	Team 3	Yes	--	1.02	--	Sampled
KAFB-106107	TWV	PF	--	Clean	Team 3	Yes	--	1.02	--	Sampled
KAFB-106148-484	--	DS	--	Hazardous	Team 2	Yes	--	0.38	--	Sampled
KAFB-106149-484	TWV	DS	--	Hazardous	Team 2	Yes	--	0.35	--	Sampled
KAFB-106150-484	--	DS	--	Hazardous	Team 2	Yes	--	0.29	--	Sampled
KAFB-106151-484	TWV	DS	--	Hazardous	Team 2	Yes	--	0.37	--	Sampled
KAFB-106152-484	TWV	DS	--	Hazardous	Team 2	Yes	--	0.35	--	Sampled
KAFB-106153-484	TWV	DS	--	Hazardous	Team 2	Yes	--	0.38	--	Sampled
KAFB-106154-484	--	DS	--	Hazardous	Team 2	Yes	Triple check measurements	0.55	--	Sampled
KAFB-106155-484	--	DS	--	Hazardous	Team 2	Yes	--	0.35	--	Sampled
KAFB-106156-484	--	DS	--	Hazardous	Team 2	Yes	--	0.28	--	Sampled
KAFB-106201	TOPC	AK	--	Clean	Team 3	Yes	Double checked water depth.	2.15	FF0019	Sampled
KAFB-106202	TOPC	AK	--	Clean	Team 3	Yes	Double checked water depth.	2.05	FF0019	Sampled
KAFB-106203	TOPC	AK	--	Clean	Team 3	Yes	Double checked water depth	1.93	FF0019	Sampled
KAFB-106204	TWV	AK	--	Clean	Team 3	Yes	--	1.29	--	Sampled
KAFB-106205	TWV	AK	--	Clean	Team 3	Yes	--	1.3	--	Sampled
KAFB-106206	TWV	AK	--	Clean	Team 3	Yes	--	1.27	--	Sampled
KAFB-106207	TWV	AK	--	Clean	Team 3	Yes	--	1.73	FF0019	Sampled
KAFB-106208	TWV	PF	--	Clean	Team 3	Yes	--	1.7	FF0019	Sampled
KAFB-106209	TWV	AK	--	Clean	Team 3	Yes	--	1.49	--	Sampled
KAFB-106211	--	JM	--	--	Team 1	Yes	Well is dry. Hit sludge at approximately 466 ft.	--	--	Sampled
KAFB-106212	TWV	SL	--	Clean	Team 2	Yes	--	0.79	--	Sampled
KAFB-106213	TWV	DS	--	Clean	Team 2	Yes	--	0.85	--	Sampled
KAFB-106214	TWV	DS	--	Clean	Team 2	Yes	--	0.83	--	Sampled
KAFB-106215	TWV	DS	--	Clean	Team 2	Yes	--	0.83	--	Sampled
KAFB-106216	TWV	AK	--	Clean	Team 3	Yes	--	1.06	--	Sampled
KAFB-106217	TWV	AK	--	Clean	Team 3	Yes	--	1.03	--	Sampled
KAFB-106218	TWV	AK	--	Clean	Team 3	Yes	--	1.02	--	Sampled
KAFB-106219	TWV	AK	--	Clean	Team 3	Yes	--	1.6	FF0019	Sampled
KAFB-106220	TWV	AK	--	Clean	Team 3	Yes	--	1.26	--	Sampled
KAFB-106221	TWV	AK	--	Clean	Team 3	Yes	--	1.25	--	Sampled
KAFB-106222	TWV	AK	--	Clean	Team 3	Yes	--	1.36	--	Sampled
KAFB-106223	TWV	AK	--	Clean	Team 3	Yes	Double checked.	1.32	--	Sampled
KAFB-106224	TWV	AK	--	Clean	Team 3	Yes	Double checked	1.29	--	Sampled
KAFB-106225	TWV	DS	--	Clean	Team 2	Yes	--	1.1	--	Sampled
KAFB-106226	TWV	DS	--	Clean	Team 2	Yes	Triple checked	1.02	--	Sampled
KAFB-106227	TWV	DS	--	Clean	Team 2	Yes	Triple checked	0.98	--	Sampled
KAFB-106229	TWV	DS	--	Clean	Team 2	Yes	Triple checked	-0.32	--	Sampled
KAFB-106230	TWV	SL	--	Clean	Team 2	Yes	--	1.06	--	Sampled
KAFB-106231	TWV	Sindy	--	Clean	Team 2	Yes	Triple checked reading	2.11	FF0019	Sampled
KAFB-106232	TWV	SL	--	Clean	Team 2	Yes	Triple checked reading	2.01	FF0019	Sampled
KAFB-106235-438	TWV	DS	--	Clean	Team 2	Yes	--	0.66	--	Sampled
KAFB-106235-472	TWV	DS	--	Clean	Team 2	Yes	--	0.65	--	Sampled
KAFB-106235-501	TWV	SL	--	Clean	Team 2	Yes	--	0.63	--	Sampled

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Water Level Meter Correction Factor	Q2 2021 Depth to LNAPL with Correction Factor	Q2 2021 DTW with Correction Factor	x (ft)	y (ft)
KAFB-106105	0	--	446.13	1543382.62	1477850.66
KAFB-106106	0	--	446.01	1543384.75	1477876.44
KAFB-106107	0	--	446.22	1543382.27	1477811.4
KAFB-106148-484	0	--	467.14	1541498.67	1473487.83
KAFB-106149-484	0	--	469.14	1541755.35	1473376.77
KAFB-106150-484	0	467.33	467.72	1541661.6	1473220.57
KAFB-106151-484	0	--	469.07	1541674.38	1473743.22
KAFB-106152-484	0	--	470.87	1541962.17	1473666.47
KAFB-106153-484	0	--	472.27	1542175.67	1473464.19
KAFB-106154-484	0	470.37	470.4	1541867.75	1473513.04
KAFB-106155-484	0	--	470.76	1542116.56	1473175.07
KAFB-106156-484	0	--	464.08	1541298.86	1473294.66
KAFB-106201	0	--	481.9	1546567.96	1479109.01
KAFB-106202	0	--	482.72	1546607.14	1479103.68
KAFB-106203	0	--	482.94	1546601.31	1479145.49
KAFB-106204	0	--	456.98	1544722.89	1478963.27
KAFB-106205	0	--	457.41	1544725.62	1479081.84
KAFB-106206	0	--	457.59	1544729.935	1479176.206
KAFB-106207	0	--	468.56	1546036.89	1480126.2
KAFB-106208	0	--	468.31	1546037.42	1480160.75
KAFB-106209	0	--	467.91	1546037.56	1480207.51
KAFB-106211	0.51	--	--	1542906.64	1475208.42
KAFB-106212	0	--	447.36	1543663.4	1476478.24
KAFB-106213	0	--	450.1	1543959.39	1476437.87
KAFB-106214	0	--	450.26	1543980.45	1476436.89
KAFB-106215	0	--	450.5	1544015.37	1476436.12
KAFB-106216	0	--	458.38	1544691.24	1476843.25
KAFB-106217	0	--	458.31	1544689.83	1476816.21
KAFB-106218	0	--	458.46	1544689.37	1476778.66
KAFB-106219	0	--	464.82	1545260.76	1477889.83
KAFB-106220	0	--	464.75	1545238.01	1477881.45
KAFB-106221	0	--	464.53	1545204.65	1477871.69
KAFB-106222	0	--	457.65	1544697.89	1478292.56
KAFB-106223	0	--	458.32	1544696.45	1478192.4
KAFB-106224	0	--	459.44	1544693.62	1478012.12
KAFB-106225	0	--	451.16	1544039.67	1478380.39
KAFB-106226	0	--	451.8	1544036.93	1478201.34
KAFB-106227	0	--	452.54	1544033.91	1478036.61
KAFB-106229	0	--	439.73	1543044.98	1476756.31
KAFB-106230	0	--	449.07	1543949.13	1478605.5
KAFB-106231	0.51	--	451.59	1544327.97	1479268.39
KAFB-106232	0.51	--	451.18	1544300.78	1479269.07
KAFB-106235-438	0	--	440.22	1543050.74	1478584.28
KAFB-106235-472	0	--	440.21	1543051.1	1478584.05
KAFB-106235-501	0	--	440.28	1543051.11	1478584.32

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Previous Quarter: Depth to LNAPL	Previous Quarter: DTW	Date/Time	PID (ppm)	Depth to LNAPL (ft MRP)	DTW (ft MRP)	WL Meter Used (Serial No.)	Contact
KAFB-106236-436	--	441	5/11/2021 16:54	0	--	439.45	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106236-470	--	440.94	5/11/2021 16:44	0	--	439.46	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106236-499	--	440.99	5/11/2021 16:38	0	--	439.5	Intermediate - WH0566 - 350334 - Solinst 500 ft	--
KAFB-106240-449	--	471.12	5/12/2021 10:24	0	--	470.87	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106241-428	--	449.89	5/11/2021 15:36	0	--	448.95	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106242-418	--	440.72	5/11/2021 11:53	0	--	439.59	Intermediate - WH0566 - 350334 - Solinst 500 ft	Barricades by SWSS
KAFB-106243-425	--	445.66	5/12/2021 11:45	0	--	444.97	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106244-445	--	466.59	5/12/2021 12:21	0	--	466.32	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106245-460	--	485.52	5/11/2021 13:28	0	--	484.72	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106247-450	--	474.9	5/11/2021 15:42	0	--	474.65	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106248-452	--	--	5/12/2021 14:01	0	--	480.46	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106249-XXX	--	--	5/12/2021 16:06	0	--	476.87	Clean - WH0567 - 350333 - Solinst 750 ft	Sundance well
KAFB-106250-XXX	--	--	5/12/2021 15:24	0	--	473.55	Clean - WH0567 - 350333 - Solinst 750 ft	Sundance well
KAFB-106251-XXX	--	--	5/12/2021 15:39	0	--	471.21	Clean - WH0567 - 350333 - Solinst 750 ft	Sundance well
KAFB-106252-425	--	--	5/12/2021 15:11	0	--	452	Clean - WH0012 - 253053 - Solinst 500 ft	--
KAFB-106S10-443	--	--	5/10/2021 14:51	0.1	--	471.57	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106S1-447	--	468.32	5/10/2021 14:13	0.2	--	468.13	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106S2-451	--	475.84	5/10/2021 12:26	1.1	--	475.55	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106S3-449	--	475.38	5/10/2021 11:23	0	--	474.77	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106S4-446	--	470.24	5/11/2021 12:55	0	--	469.59	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-106S5-446	--	467.65	5/10/2021 17:15	0	--	466.88	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106S7-451	--	472.96	5/10/2021 16:11	2	--	472.24	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106S8-451	--	474.74	5/10/2021 13:34	0	--	474.51	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-106S9-447	--	469.48	5/10/2021 10:50	0	--	469.2	Hazardous - WH0571 - 253056 - Solinst 500 ft	--
KAFB-2628	--	492.36	5/10/2021 15:08	0	--	494.24	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-2629	--	484.74	5/10/2021 15:18	0	--	489.14	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-3392	--	519.22	5/10/2021 09:33	0	--	520.66	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-3411	--	466.44	5/11/2021 14:55	0	--	466.21	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-8281	--	524.3	5/10/2021 09:43	0	--	525.92	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-8351	--	443.32	5/10/2021 09:58	0	--	444.59	Clean - WH0567 - 350333 - Solinst 750 ft	--
MP-B	--	--	5/11/2021 11:22	0	--	206.3	Clean - WH0567 - 350333 - Solinst 750 ft	USGS
SO-1F	--	482.85	5/11/2021 09:43	0	--	487.31	Clean - WH0567 - 350333 - Solinst 750 ft	USGS
TA1-W-02	--	516.87	--	--	--	--	--	SNL
TA1-W-05	--	553.45	--	--	--	--	--	SNL
TJA-6	--	450.99	--	--	--	--	--	SNL
TR-1A	--	456.12	5/11/2021 09:57	0	--	461.02	Clean - WH0567 - 350333 - Solinst 750 ft	USGS
CC-1F	--	470.15	5/11/2021 09:22	0	--	474.24	Clean - WH0567 - 350333 - Solinst 750 ft	USGS
DSD-3	--	--	5/11/2021 10:33	0	--	327.73	Clean - WH0567 - 350333 - Solinst 750 ft	USGS
JC-C	--	--	5/11/2021 10:17	0	--	410.6	Clean - WH0567 - 350333 - Solinst 750 ft	USGS
KAFB-0118	--	442.68	5/10/2021 10:44	0	--	443.2	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0120	--	411.94	5/10/2021 10:36	0	--	412.03	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0121	--	429.63	5/10/2021 10:57	0	--	430.34	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0213	--	406.39	5/10/2021 15:36	0	--	406.93	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0219	--	388.06	5/10/2021 12:11	0	--	388.27	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0222	--	368.5	5/10/2021 13:07	0	--	369.04	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0417	--	440.92	5/10/2021 10:25	0	--	439.78	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0504	--	479.96	5/10/2021 14:48	0	--	481.99	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0505	--	486.29	5/10/2021 15:00	0	--	488.27	Clean - WH0567 - 350333 - Solinst 750 ft	--

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Reference Point	Collected By (initials)	Well Designation	Hazardous Code	Team	InNetwork	Notes	Difference In Previous DTW and Current DTW	Color Change	Sampled
KAFB-106236-436	TWV	SL	--	Clean	Team 2	Yes	Double checked reading	1.55	FF0019	Sampled
KAFB-106236-470	TWV	SL	--	Clean	Team 2	Yes	--	1.48	--	Sampled
KAFB-106236-499	TWV	SL	--	Clean	Team 2	Yes	--	1.49	--	Sampled
KAFB-106240-449	TWV	JM	--	Clean	Team 1	Yes	--	0.25	--	Sampled
KAFB-106241-428	TWV	AK	--	Clean	Team 3	Yes	--	0.94	--	Sampled
KAFB-106242-418	TWV	SL	--	Clean	Team 2	Yes	--	1.13	--	Sampled
KAFB-106243-425	TWV	DS	--	Clean	Team 2	Yes	--	0.69	--	Sampled
KAFB-106244-445	TWV	JM	--	Clean	Team 1	Yes	--	0.27	--	Sampled
KAFB-106245-460	TOPC	JM	--	Clean	Team 1	Yes	--	0.8	--	Sampled
KAFB-106247-450	TOPC	JM	--	Clean	Team 1	Yes	--	0.25	--	Sampled
KAFB-106248-452	TOPC	JM	--	Clean	Team 1	Yes	--	-480.46	FF0019	Sampled
KAFB-106249-XXX	TOPC	JM	--	Clean	Team 1	Yes	Bladder pump present.	-476.87	FF0019	Sampled
KAFB-106250-XXX	TOPC	JM	--	Clean	Team 1	Yes	Bladder pump present	-473.55	FF0019	Sampled
KAFB-106251-XXX	TOPC	JM	--	Clean	Team 1	Yes	Bladder pump present.	-471.21	FF0019	Sampled
KAFB-106252-425	TWV	DS	--	Clean	Team 2	Yes	--	-452	FF0019	Sampled
KAFB-106S10-443	TOPC	DS	--	Hazardous	Team 2	Yes	Well location is incorrect. Approximately 10 feet north of building.	-471.57	FF0019	Sampled
KAFB-106S1-447	TWV	SL	--	Hazardous	Team 2	Yes	--	0.19	--	Sampled
KAFB-106S2-451	TOPC	DS	--	Hazardous	Team 2	Yes	--	0.29	--	Sampled
KAFB-106S3-449	TOPC	DS	--	Hazardous	Team 2	Yes	--	0.61	--	Sampled
KAFB-106S4-446	TOPC	JM	--	Clean	Team 1	Yes	--	0.65	--	Sampled
KAFB-106S5-446	TWV	DS	--	Hazardous	Team 2	Yes	--	0.77	--	Sampled
KAFB-106S7-451	TWV	SL	--	Hazardous	Team 2	Yes	Triple checked	0.72	--	Sampled
KAFB-106S8-451	TOPC	SL	--	Hazardous	Team 2	Yes	--	0.23	--	Sampled
KAFB-106S9-447	TWV	DS	--	Hazardous	Team 2	Yes	--	0.28	--	Sampled
KAFB-2628	TOPC	JM	--	Clean	Team 1	No	--	-1.88	FF0019	Sampled
KAFB-2629	TOPC	JM	--	Clean	Team 1	No	Checked three times to verify	-4.4	FF0019	Sampled
KAFB-3392	TOPC	JM	--	Clean	Team 1	No	--	-1.44	--	Sampled
KAFB-3411	TOPC	JM	--	Clean	Team 1	Yes	--	0.23	--	Sampled
KAFB-8281	TOPC	JM	--	Clean	Team 1	No	--	-1.62	FF0019	Sampled
KAFB-8351	TOPC	JM	--	Clean	Team 1	No	--	-1.27	--	Sampled
MP-B	TOPC	JM	--	Clean	Team 1	No	Measured from TOC	-206.3	FF0019	Sampled
SO-1F	TOPC	JM	--	Clean	Team 1	No	Top of Casing, transducer present	-4.46	FF0019	Sampled
TA1-W-02	TOPC	--	--	Clean	--	No	--	516.87	FF0019	Not Sampled
TA1-W-05	TOPC	--	--	Clean	--	No	--	553.45	FF0019	Not Sampled
TJA-6	TOPC	--	--	Clean	--	No	--	450.99	FF0019	Not Sampled
TR-1A	TOPC	JM	--	Clean	Team 1	No	Passive samplers present. Measured from top of casing (TOC)	-4.9	FF0019	Sampled
CC-1F	TOPC	JM	--	Clean	Team 1	No	Top of casing	-4.09	FF0019	Sampled
DSD-3	TOPC	JM	--	Clean	Team 1	No	Measured from top of casing	-327.73	FF0019	Sampled
JC-C	TOPC	JM	--	Clean	Team 1	No	Measured from TOC.	-410.6	FF0019	Sampled
KAFB-0118	TOPC	JM	--	Clean	Team 1	No	--	-0.52	--	Sampled
KAFB-0120	TOPC	JM	--	Clean	Team 1	No	--	-0.09	--	Sampled
KAFB-0121	TOPC	JM	--	Clean	Team 1	No	--	-0.71	--	Sampled
KAFB-0213	TOPC	JM	--	Clean	Team 1	No	--	-0.54	--	Sampled
KAFB-0219	TOPC	JM	--	Clean	Team 1	No	--	-0.21	--	Sampled
KAFB-0222	TOPC	JM	--	Clean	Team 1	No	--	-0.54	--	Sampled
KAFB-0417	TOPC	JM	--	Clean	Team 1	No	--	1.14	--	Sampled
KAFB-0504	TOPC	JM	--	Clean	Team 1	No	--	-2.03	FF0019	Sampled
KAFB-0505	TOPC	JM	--	Clean	Team 1	No	--	-1.98	FF0019	Sampled

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Water Level Meter Correction Factor	Q2 2021 Depth to LNAPL with Correction Factor	Q2 2021 DTW with Correction Factor	x (ft)	y (ft)
KAFB-106236-436	0.51	--	439.96	1543387.32	1479228.08
KAFB-106236-470	0.51	--	439.97	1543387.69	1479227.74
KAFB-106236-499	0.51	--	440.01	1543387.66	1479228.11
KAFB-106240-449	0.15	--	471.02	1541754.168	1474597.731
KAFB-106241-428	0	--	448.95	1543728.502	1477301.204
KAFB-106242-418	0.51	--	440.1	1542374.594	1476021.336
KAFB-106243-425	0	--	444.97	1543210	1475938.293
KAFB-106244-445	0.15	--	466.47	1541081.085	1474304.678
KAFB-106245-460	0.15	--	484.87	1543941.59	1474004.47
KAFB-106247-450	0.15	--	474.8	1542666.173	1472657.798
KAFB-106248-452	0.15	--	480.61	1543414.129	1474539.841
KAFB-106249-XXX	0.15	--	477.02	1542864.62	1473604.18
KAFB-106250-XXX	0.15	--	473.7	1542509.92	1472154.9
KAFB-106251-XXX	0.15	--	471.36	1541930.92	1472784.57
KAFB-106252-425	0	--	452	1544042.712	1478492.566
KAFB-106S10-443	0	--	471.57	1541717.181	1473551.837
KAFB-106S1-447	0	--	468.13	1541838.492	1473220.905
KAFB-106S2-451	0	--	475.55	1542190.908	1473686.978
KAFB-106S3-449	0	--	474.77	1542418.897	1474075.661
KAFB-106S4-446	0.15	--	469.74	1541872.736	1474026.645
KAFB-106S5-446	0	--	466.88	1542453.313	1474742.589
KAFB-106S7-451	0	--	472.24	1542361.208	1474334.546
KAFB-106S8-451	0	--	474.51	1542125.669	1473288.318
KAFB-106S9-447	0	--	469.2	1541789.866	1473692.187
KAFB-2628	0.15	--	494.39	1547611.43	1470159.65
KAFB-2629	0.15	--	489.29	1547531.7	1468111.04
KAFB-3392	0.15	--	520.81	1549424.51	1472679.11
KAFB-3411	0.15	--	466.36	1541248.91	1473386.84
KAFB-8281	0.15	--	526.07	1549635.96	1474354.13
KAFB-8351	0.15	--	444.74	1535557.63	1475296.58
MP-B	0.15	--	206.45	1530436.82	1461267.88
SO-1F	0.15	--	487.46	1547354.228	1479591.105
TA1-W-02	--	--	--	1552542.48	1471984.81
TA1-W-05	--	--	--	1553007.132	1475447.266
TJA-6	--	--	--	1552676.677	1467039.475
TR-1A	0.15	--	461.17	1545940.468	1480592.686
CC-1F	0.15	--	474.39	1546291.072	1479643.477
DSD-3	0.15	--	327.88	1536609.325	1489328.674
JC-C	0.15	--	410.75	1545869.322	1490131.934
KAFB-0118	0.15	--	443.35	1539736.52	1470643.42
KAFB-0120	0.15	--	412.18	1538856.27	1469133.96
KAFB-0121	0.15	--	430.49	1540899.38	1470317.94
KAFB-0213	0.15	--	407.08	1549637.92	1465514.23
KAFB-0219	0.15	--	388.42	1548832.8	1464104.68
KAFB-0222	0.15	--	369.19	1547084.99	1465369.02
KAFB-0417	0.15	--	439.93	1534654.83	1469654.56
KAFB-0504	0.15	--	482.14	1546330.29	1468551.96
KAFB-0505	0.15	--	488.42	1546685.31	1469851.69

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Previous Quarter: Depth to LNAPL	Previous Quarter: DTW	Date/Time	PID (ppm)	Depth to LNAPL (ft MRP)	DTW (ft MRP)	WL Meter Used (Serial No.)	Contact
KAFB-0507R	--	481.25	5/10/2021 14:35	0	--	483.15	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0508	--	476.31	5/10/2021 11:36	0	--	478.19	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0510	--	491.82	5/10/2021 09:20	0	--	494.02	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0512R	--	425.67	5/10/2021 14:22	0	--	427.19	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0514	--	331.6	5/10/2021 12:45	0	--	332.19	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0517	--	320.07	5/10/2021 12:30	0	--	320.21	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0518	--	300.35	5/10/2021 11:14	0	--	300.44	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0520	--	372.7	5/10/2021 11:49	0	--	373.48	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0522	--	392.98	5/10/2021 14:12	0	--	394.36	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0524	--	467.98	5/10/2021 11:27	0	--	469.12	Clean - WH0567 - 350333 - Solinst 750 ft	--
KAFB-0525	--	353.59	5/10/2021 12:57	0	--	354.25	Clean - WH0567 - 350333 - Solinst 750 ft	--

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Reference Point	Collected By (initials)	Well Designation	Hazardous Code	Team	InNetwork	Notes	Difference In Previous DTW and Current DTW	Color Change	Sampled
KAFB-0507R	TOPC	JM	--	Clean	Team 1	No	--	-1.9	FF0019	Sampled
KAFB-0508	TOPC	JM	--	Clean	Team 1	No	--	-1.88	FF0019	Sampled
KAFB-0510	TOPC	JM	--	Clean	Team 1	No	--	-2.2	FF0019	Sampled
KAFB-0512R	TOPC	JM	--	Clean	Team 1	No	--	-1.52	FF0019	Sampled
KAFB-0514	TOPC	JM	--	Clean	Team 1	No	--	-0.59	--	Sampled
KAFB-0517	TOPC	JM	--	Clean	Team 1	No	--	-0.14	--	Sampled
KAFB-0518	TOPC	JM	--	Clean	Team 1	No	--	-0.09	--	Sampled
KAFB-0520	TOPC	JM	--	Clean	Team 1	No	--	-0.78	--	Sampled
KAFB-0522	TOPC	JM	--	Clean	Team 1	No	--	-1.38	--	Sampled
KAFB-0524	TOPC	JM	--	Clean	Team 1	No	--	-1.14	--	Sampled
KAFB-0525	TOPC	JM	--	Clean	Team 1	No	--	-0.66	--	Sampled

Table H-2-2
Q2 2021 Field Measurements and Corrected Depth to LNAPL and Groundwater

Well Location ID	Water Level Meter Correction Factor	Q2 2021 Depth to LNAPL with Correction Factor	Q2 2021 DTW with Correction Factor	x (ft)	y (ft)
KAFB-0507R	0.15	--	483.3	1545754.7	1469920.8
KAFB-0508	0.15	--	478.34	1544778.97	1470553.98
KAFB-0510	0.15	--	494.17	1545114.35	1472793.78
KAFB-0512R	0.15	--	427.34	1544873.142	1468804.746
KAFB-0514	0.15	--	332.34	1543324.47	1466699.76
KAFB-0517	0.15	--	320.36	1542374.52	1464737.81
KAFB-0518	0.15	--	300.59	1539720.447	1465034.123
KAFB-0520	0.15	--	373.63	1542178.8	1468519.31
KAFB-0522	0.15	--	394.51	1544993.66	1467845.51
KAFB-0524	0.15	--	469.27	1542163.91	1470607.19
KAFB-0525	0.15	--	354.4	1545688.97	1465933.3

-- = not applicable
DTW = depth to water
EA = EA Engineering, Science, and Technology
ft = feet
ID = identification
LNAPL = light non-aqueous phase liquid
Med. Ctr. = medical center
MRP = measuring point
no. = number
PID = photoionization detector
ppm = parts per million
Q2 = second quarter
SNL = Sandia National Laboratories
SWSS = Southwest Safety Services
TOPC = top of protective casing
TWV = top of well vault
USGS = U.S. Geological Survey
USS Bullhead = USS Bullhead Memorial Park
VA = Veteran's Affairs
WL = water level
x = longitude coordinate
y = latitude coordinate

APPENDIX H-3

Groundwater Purge Logs and Sample Collection Logs

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM & SL

Date: 04/27/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 511.78 ft MRP

Top of Screen: 486.28 ft MRP

Bottom of Screen: 511.28 ft MRP

Reference Elevation Interval: 4857 & 4838

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL observed during last gauging event: 1/18/2021

Previous Depth to water: 467.93 ft MRP Depth to Water (DTW): 467.23 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-710

Non-Dedicated Pump Depth 488.28 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW001-212

Duplicate ID (if applicable):

COC#: COC-001-212

Sampling Method: Low-flow

Sampling Medium: Water

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/27/2021

Purge Start Time: 11:17 Purge Rate: 820 mL/min X 0.265 = 0.217 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 18.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**467.93**	**4.78**	**19.8**		**1.94**	**322.2**	**7.60**	**205.6**
11:20	467.23	4.16	20.1	78.3	7.09	400	7.74	312
11:25	467.23	1.05	20.7	32.7	2.93	450.1	7.39	307.1
11:30	467.23	0.63	20.3	24.3	2.2	451.3	7.42	302.9
11:35	467.23	0.62	20.4	21.5	1.94	450.6	7.44	299.2
11:40	467.23	0.67	19.5	20.5	1.88	448.5	7.36	302.9
11:45	467.23	1.38	19.4	20.2	1.86	447.1	7.42	299.5

Sample Time: 11:47 Sample Date: 04/27/2021

Purge End Time: 11:51

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	10.4	GWTS/Pending Disposal Area	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106002**
Project No:	**6360401**	**Samplers:**	**JM + AK**
Date:	**04/15/2021**		

Well Information

Well was	Clean	Well Depth:	507.39 ft MRP
SCREEN SUBMERGED on	**01/20/2021 (previous gauging date)**	Top of Screen:	481.39 ft MRP
Barricade/Notification:		Bottom of Screen:	506.39 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ____ ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 465.42 ft MRP Depth to Water (DTW): 464.44 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW002-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-002-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/15/2021

Purge Start Time: 13:45 Purge Rate: 760 mL/min X 0.265 = 0.201 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 15.97 ft (based on previous water level)

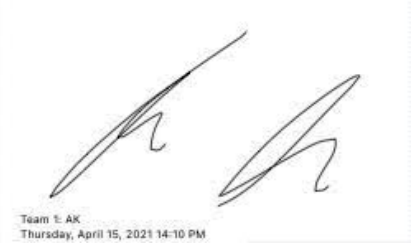
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**465.42**	**0.27**	**18.6**		**6.72**	**431.7**	**7.46**	**339.4**
13:45	464.46	0.5	18.4	70.2	6.65	493.3	7.46	363.7
13:50	464.46	0.7	18.3	70.3	6.64	494.7	7.47	362.7
13:55	464.45	0.62	18.2	70	6.57	496.3	7.49	361
14:00	464.45	0.61	18.3	68.5	6.52	498.5	7.51	359.1

Sample Time: 14:07 Sample Date: 04/15/2021

Purge End Time: 14:05

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	4.0	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM & KC

Date: 04/07/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 506.00 ft MRP

Top of Screen: 479 ft MRP

Bottom of Screen: 504 ft MRP

Reference Elevation Interval: 4857

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 463.06 ft MRP Depth to Water (DTW): 462.53 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW003-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-003-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/07/2021

Purge Start Time: 10:37 Purge Rate: 520 mL/min X 0.265 = 0.138 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 15.94 ft (based on previous water level)

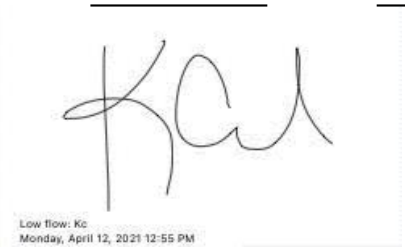
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**463.06**	**1.49**	**17.9**	**98.7%**	**98.7%**	**983**	**7.8**	**412**
10:50	462.53	2.98	18.2	96.4	9.07	898	7.79	340.1
10:55	462.53	1.41	18.2	95.8	8.96	908	7.78	340.3
11:00	462.53	2.87	18.3	94.1	8.77	910	7.77	341.7

Sample Time: 11:04 Sample Date: 04/07/2021

Purge End Time: 11:11

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	7.7	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106004**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/08/2021**		

Well Information

Well was	Clean	Well Depth:	512.74 ft MRP
SCREEN SUBMERGED on	**01/18/2021** **(previous gauging date)**	Top of Screen:	486.74 ft MRP
Barricade/Notification:	Barricades by EA - VA lot	Bottom of Screen:	511.74 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 468.73 ft MRP Depth to Water (DTW): 468.23 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 489.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW004-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-004-212		

Reviewed By:  Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/08/2021

Purge Start Time: 12:28 Purge Rate: 600 mL/min X 0.265 = 0.159 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 18.01 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**468.73**	**0.59**	**19.7**	**56.4%**	**56.4%**	**484.1**	**7.73**	**332.1**
12:35	468.22	1.21	19.9	68.3	6.17	434.6	7.65	342.8
12:40	468.21	1.26	19.7	59.7	5.48	430.4	7.67	338.5
12:45	468.21	0.75	19.5	54.5	5.05	424.1	7.69	332.1
12:50	468.20	7.92	19.5	56.3	5.30	419.4	7.72	324.9

Sample Time: 12:53 Sample Date: 04/08/2021

Purge End Time: 13:00

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

Sampled by: JM Sampler Signature: Low flow: Kc Monday, April 12, 2021 12:58 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	8.1	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM + SM

Date: 04/21/2021

Well Information

Well was: Hazardous

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Well Depth: 508.87 ft MRP

Top of Screen: 481.87 ft MRP

Bottom of Screen: 506.87 ft MRP

Reference Elevation Interval: 4857

IDW Label: Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 470.5 ft MRP Depth to Water (DTW): 469.98 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 483.87 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW005-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-005-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/21/2021

Purge Start Time: 12:30 Purge Rate: 860 mL/min X 0.265 = 0.228 gal/min

Description of first water purged: Yellow tint, and light- moderate hydrocarbon odor

Drawdown Limit: 11.37 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**470.5**	**9.16**	**20.10**	**2.3%**	**2.3%**	**1172.00**	**7.37**	**-324.80**
12:45	469.93	13.8	19.2	29.5	2.54	1954	6.87	-177.1
12:50	469.93	7.23	19.2	14.6	1.34	1954	6.90	-208.8
12:55	469.92	6.58	19.3	6.7	0.61	1963	6.94	-238.7
13:00	469.92	6.37	10.4	6.0	0.54	1957	6.92	-252.7
13:05	469.91	6.27	19.6	5.1	0.46	1958	6.96	-273.7
13:10	469.91	7.09	19.6	4.0	0.36	1956	6.97	-289.5
13:15	469.90	6.86	19.7	2.9	0.26	1955	6.97	-299.2
13:20	469.90	6.71	19.8	2.4	0.22	1951	6.97	-305.4
13:25	469.90	7.07	19.6	2.3	0.21	1943	6.98	-311.2
13:30	469.90	6.71	19.8	2.2	0.20	1938	6.96	-315.0

Sample Time: 13:31 Sample Date: 04/21/2021

Purge End Time: 13:37

Bubbles in the vials?: Yes Where? EDB & BTEX Amount: 1 Size: <1mm

Sampled by: JM Sampler Signature: Team 1: JM Wednesday, April 21, 2021 13:41 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	19.3	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: Water moderately aerated

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

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

Date: 04/23/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: 514.18 ft MRP

Top of Screen: 486.68 ft MRP

Bottom of Screen: 511.68 ft MRP

Reference Elevation Interval: 4857

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.1 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 474.74 ft MRP Depth to Water (DTW): 474.06 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-710

Non-Dedicated Pump Depth 488.68 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW006-212

Duplicate ID (if applicable):

COC#: COC-006-212

Sampling Method: Low-flow

Sampling Medium: Water

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/23/2021

Purge Start Time: 15:14 Purge Rate: 800 mL/min X 0.265 = 0.212 gal/min

Description of first water purged: Slight yellow tint, moderate HC odor

Drawdown Limit: 11.94 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**474.74**	**2.49**	**18.4**		**1.23**	**588**	**7.48**	**-98.1**
15:20	474.07	53.7	19.1	79.3	7.15	509.2	7.00	38.9
15:25	474.07	2.83	19.4	26.5	2.34	577	7.04	-18.3
15:30	474.07	1.76	19.4	14.2	1.26	580	7.02	-50.3
15:35	474.08	1.02	19.6	9.5	0.83	581	7.00	-68.6
15:40	474.07	7.78	19.3	8.1	0.73	588	7.01	-86.7
15:45	474.08	1.07	19.0	6.3	0.56	590	6.98	-91.5
15:50	474.07	0.96	19.1	5.6	0.52	590	7.01	-97.0
15:55	474.07	2.39	18.9	4.8	0.45	595	7.01	-104.3
16:00	474.08	2.39	19.0	4.3	0.40	600	7.05	-111.8
16:05	474.07	1.29	18.9	3.9	0.36	606	7.07	-119.0
16:10	474.07	1.13	19.1	3.5	0.32	614	7.11	-125.9
16:15	474.08	1.38	19.0	3.2	0.30	620	7.13	-130.8
16:20	474.08	1.03	19.0	3.0	0.28	625	7.09	-132.4

Sample Time: 16:25 Sample Date: 04/23/2021

Purge End Time: 16:28

Bubbles in the vials?: Yes Where? All VOAs except 1 EDB Amount: 1 Size: <3mm

Sampled by: DS Sampler Signature: DS Friday, April 23, 2021 17:35 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	23.7	Pending Analysis Yard	White Pending Analysis

Comments: Water moderately aerated

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106007**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/14/2021**		

Well Information

Well was	Clean	Well Depth:	515.66 ft MRP
SCREEN SUBMERGED on	**01/18/2021** **(previous gauging date)**	Top of Screen:	488.66 ft MRP
Barricade/Notification:		Bottom of Screen:	513.66 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 472.77 ft MRP Depth to Water (DTW): 472.62 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW007-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-007-212		

Reviewed By:  Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/14/2021

Purge Start Time: 08:24 Purge Rate: 880 mL/min X 0.265 = 0.233 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 15.89 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**472.77**	**1.24**	**18.9**		**0.56**	**529.7**	**7.31**	**379.4**
08:30	472.63	0.53	12.8	55.1	5.70	372.9	7.47	368.4
08:35	472.63	0.29	14.7	50.6	5.13	376.4	7.78	350.4
08:40	472.62	0.25	15.4	49.1	4.91	376.9	7.78	346.3
08:40	472.62	0.23	15.4	48.4	4.80	377.2	7.75	345.1

Sample Time: 08:47 Sample Date: 04/14/2021

Purge End Time: 08:51

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

Sampled by: JM Sampler Signature: Low flow: Kc Wednesday, April 14, 2021 09:08 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.8	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: System.Collections.Generic.Dictionary`2[System.String,System.Object]

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106008**
Project No:	**6360401**	**Samplers:**	**JM + AK**
Date:	**04/20/2021**		

Well Information

Well was	Hazardous	Well Depth:	516.42 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	488.92 ft MRP
Barricade/Notification:		Bottom of Screen:	513.92 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.1 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 475.13 ft MRP Depth to Water (DTW): 474.97 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-902

Non-Dedicated Pump Depth 490.92 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW008-612	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW008-612	Sampling Medium:	Water
COC#:	COC-008-612		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/20/2021

Purge Start Time: 12:14 Purge Rate: 620 mL/min X 0.265 = 0.164 gal/min

Description of first water purged: Strong hydrocarbon odor, yellow murky hue

Drawdown Limit: 13.79 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**475.13**	**6.82**	**19.7**		**0.13**	**1138**	**6.84**	**-156.3**
12:20	474.97	659	18.2	56.7	5.33	561.8	6.61	-27.1
12:25	474.97	101	18.6	14.8	1.38	1240	6.74	-72.8
12:30	474.97	29.3	18.8	7.2	0.66	1232	6.72	-83.7
12:35	474.97	44.5	18.9	5.8	0.54	1226	6.72	-87.6
12:40	474.97	32.7	18.7	4.4	0.41	1224	6.78	-92.7
12:45	474.97	35.6	18.7	3.4	0.32	1222	6.77	-95.9
12:50	474.97	29.7	18.7	2.8	0.26	1220	6.78	-98.7
12:55	474.97	30.1	18.8	2.4	0.22	1219	6.77	-102.0
13:00	474.96	28.4	18.9	2.2	0.20	1215	6.79	-105.1
13:05	474.96	30.9	18.8	2.1	0.2	1207	6.80	-106.6

Sample Time: 13:12 Sample Date: 04/20/2021

Purge End Time: 13:28

Bubbles in the vials?: Yes Where? EDB & BTEX Amount: 1 Size: <2mm

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	16.2	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: Water highly aerated

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM & SL

Date: 04/28/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: 511.19 ft MRP

Top of Screen: 483.69 ft MRP

Bottom of Screen: 508.69 ft MRP

Reference Elevation Interval: 4857

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 472.23 ft MRP Depth to Water (DTW): 471.26 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-710

Non-Dedicated Pump Depth 485.69 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW009-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-009-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/28/2021

Purge Start Time: 08:29 Purge Rate: 840 mL/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear, weak HC odor

Drawdown Limit: 12.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**472.23**	**1.04**	**3.20**	**3.2%**	**3.2%**	**1774.00**	**6.89**	**156.50**
08:30	471.29	0.75	17	23	2.21	1682	6.95	364.6
08:35	471.29	1	17.4	12	1.15	1682	7.07	319.1
08:40	471.29	0.66	17.6	8.7	0.83	1687	7.06	268.6
08:45	471.28	0.93	17.7	7.1	0.67	1678	7.06	205.6
08:50	471.29	1.81	17.9	6.2	0.58	1675	7.05	164.5
08:55	471.27	0.82	17.9	5.3	0.5	1674	7.05	136.1
09:00	471.27	0.61	18	4.6	0.43	1674	7.03	106.4
09:05	471.28	1.03	18	4.4	0.41	1676	7.03	95.7
09:10	471.28	0.72	18.1	3.9	0.36	1677	7.04	84
09:15	471.28	0.78	18.1	3.8	0.35	1677	7.03	73.5
09:20	471.28	0.64	18.1	3.6	0.33	1677	7.03	64.9

Sample Time: 09:22 Sample Date: 04/28/2021

Purge End Time: 09:29

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	16.4	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: *amanda m smith* Initials: AMS Review Date: 06/01/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106010**
Project No:	**6360401**	**Samplers:**	**JM + SM**
Date:	**04/21/2021**		

Well Information

Well was	Hazardous	Well Depth:	510.50 ft MRP
SCREEN SUBMERGED on	**01/20/2021** **(previous gauging date)**	Top of Screen:	483 ft MRP
Barricade/Notification:		Bottom of Screen:	508 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 467.47 ft MRP Depth to Water (DTW): 466.93 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-902

Non-Dedicated Pump Depth 485.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW010-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-010-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/21/2021

Purge Start Time: 08:44 Purge Rate: 860 mL/min X 0.265 = 0.228 gal/min

Description of first water purged: Clear, strong hydrocarbon odor

Drawdown Limit: 15.53 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**467.47**	**5.01**	**19.4**		**0.19**	**539**	**7.03**	**-182.1**
08:55	466.93	5.36	14.3	47.2	4.40	710	7.05	-39.8
09:00	466.93	4.51	15.1	15.7	1.54	709	7.06	-80.8
09:05	466.93	5.02	15.5	10.8	1.06	711	7.04	-96.3
09:10	466.93	2.98	15.1	7.9	0.78	710	7.00	-106.5
09:15	466.93	2.35	15.5	6.3	0.63	711	7.02	-118.5
09:20	466.93	1.87	15.5	5.5	0.54	712	6.97	-122.9
09:25	466.93	1.95	15.8	5.0	0.49	715	6.96	-129.9
09:30	466.93	1.95	15.8	4.6	0.45	714	7.00	-136.3
09:35	466.93	1.85	15.8	4.3	0.43	713	6.99	-139.1
09:39	466.93	1.48	16.2	4.1	0.41	715	6.96	-143.9

Sample Time: 09:42 Sample Date: 04/21/2021

Purge End Time: 09:48

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

Sampled by: JM Sampler Signature: Team 1: JM Wednesday, April 21, 2021 09:48 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	18.6	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106011**
Project No:	**6360401**	**Samplers:**	**JM + SM**
Date:	**04/02/2021**		

Well Information

Well was	Clean	Well Depth:	519.05 ft MRP
SCREEN SUBMERGED on	**01/20/2021 (previous gauging date)**	Top of Screen:	489.05 ft MRP
Barricade/Notification:		Bottom of Screen:	514.05 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 477.23 ft MRP Depth to Water (DTW): 476.53 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth _____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW011-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-011-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/02/2021

Purge Start Time: 14:42 Purge Rate: 780 mL/min X 0.265 = 0.207 gal/min

Description of first water purged: Clear and no odor

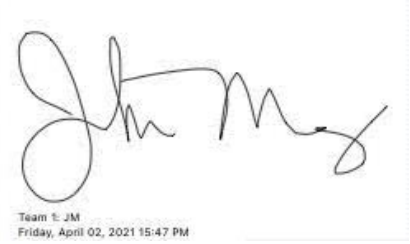
Drawdown Limit: 11.82 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**477.23**	**1.36**	**18.8**		**1.00**	**967**	**7.80**	**178.1**
14:50	476.56	0.23	18.0	73.4	6.93	1021	7.71	303.0
14:55	476.55	0.18	18.2	70.1	6.59	1024	7.71	299.6
15:00	476.55	11.8	18.3	50.2	4.70	1220	7.62	298.4
15:05	476.55	15.7	18.4	27.8	2.60	1847	7.54	287.0
15:10	476.54	8.33	18.6	21.2	1.98	1863	7.53	271.0
15:15	476.54	6.77	18.6	17.6	1.63	1825	7.52	260.5
15:20	476.53	4.08	18.6	16.2	1.50	1791	7.51	253.9
15:25	476.53	3.46	18.6	15.1	1.40	1649	7.53	247.0
15:30	476.53	3.25	18.6	14.6	1.37	1592	7.52	243.4

Sample Time: 15:32 Sample Date: 04/02/2021

Purge End Time: 15:35

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

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	11.0	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106012R**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/14/2021**		

Well Information

Well was	Clean	Well Depth:	502.91 ft MRP
SCREEN SUBMERGED on	**01/20/2021 (previous gauging date)**	Top of Screen:	468.47 ft MRP
Barricade/Notification:		Bottom of Screen:	497.74 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 468.65 ft MRP Depth to Water (DTW): 467.95 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 470.50 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW012R-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-012R-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/14/2021

Purge Start Time: 13:13 Purge Rate: 640 mL/min X 0.265 = 0.170 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 7.27 ft (based on previous water level)

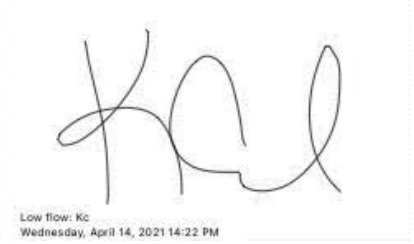
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**468.65**	**0.97**	**21.3**	**71.8%**	**71.8%**	**1610**	**7.27**	**195.8**
13:18	467.94	0.94	21.6	78.0	6.86	1622	7.33	342.5
13:23	467.94	0.45	21.3	76.3	6.76	1621	7.26	341.2
13:23	467.94	0.31	21.3	74.9	6.63	1620	7.25	338.2

Sample Time: 13:30 Sample Date: 04/14/2021

Purge End Time: 13:43

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106013**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/06/2021**		

Well Information

Well was	Clean	Well Depth:	519.65 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	489.65 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	514.65 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 474.21 ft MRP Depth to Water (DTW): 473.53 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 492.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW013-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-013-212		

Reviewed By:  Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/06/2021

Purge Start Time: 08:51 Purge Rate: 880 mL/min X 0.265 = 0.233 gal/min

Description of first water purged: Clear,, no odor

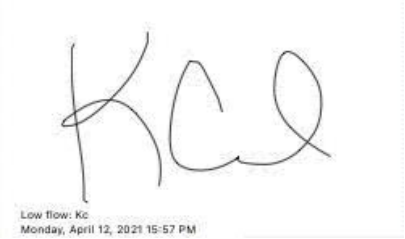
Drawdown Limit: 15.44 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**474.21**	**5.08**	**19**	**14.7%**	**14.7%**	**496.7**	**7.7**	**439.6**
08:55	473.52	2.74	17.9	86.9	8.32	437.4	7.98	378.6
09:00	473.52	14.4	18.4	41.9	3.90	445.0	7.89	376.1
09:05	473.51	15.4	18.6	27.2	2.52	369.6	7.86	369.3
09:10	473.51	16.4	18.6	24.3	2.26	365.1	7.85	364.7
09:15	473.51	16.7	18.7	22.6	2.12	359.0	7.84	358.9
09:20	473.51	16.7	18.7	21.8	2.04	347.5	7.81	353.7

Sample Time: 09:22 Sample Date: 04/06/2021

Purge End Time: 09:31

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

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.3	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM + AK

Date: 04/20/2021

Well Information

Well was: Hazardous

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: 90-Day Hazardous Waste Storage 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: Orange Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 474.09 ft MRP Depth to Water (DTW): 473.56 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807-B-902

Non-Dedicated Pump Depth 491.19 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW014-212 Sampling Method: Low-flow

Duplicate ID (if applicable): GW014-612 Sampling Medium: Water

COC#: COC-014-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/20/2021

Purge Start Time: 08:34 Purge Rate: 760 mL/min X 0.265 = 0.201 gal/min

Description of first water purged: Strong hydrocarbon odor, yellow tint

Drawdown Limit: 15.10 ft (based on previous water level)

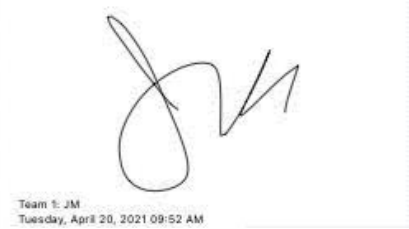
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**474.09**	**7.32**	**18.6**		**3.47**	**1497**	**6.96**	**-66.2**
08:40	473.6	3.07	16.6	13.1	1.23	1874	6.81	-47.2
08:45	473.59	5.92	17.5	7.4	0.6	1874	6.81	-73.2
08:50	473.59	2.07	17.6	4.6	0.42	1878	6.8	-79.6
08:55	473.59	1.99	17.8	3.3	0.031	1876	6.8	-87.1
09:00	473.59	1.8	17.6	2	0.25	1876	6.79	-92
09:05	473.59	2.8	17.9	2.4	0.22	1876	6.79	-96.7
09:10	473.59	1.65	17.8	2.1	0.2	1878	6.78	-97.9
09:15	473.6	4.53	17.9	1.8	0.17	1876	6.8	-102.3
09:20	473.6	1.83	17.9	1.7	0.16	1877	6.79	-107.1
09:25	473.6	1.41	17.8	1.6	0.15	1875	6.78	-107.8
09:30	473.6	1.48	18	1.5	0.14	1874	6.79	-108.4
09:35	473.6	3.33	17.8	1.4	0.14	1875	6.8	-108.7

Sample Time: 09:38 Sample Date: 04/20/2021

Purge End Time: 09:47

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	19.7	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106015 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW015-212

Date Sampled: 04/01/2021 **Time Sampled:** 13:50 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW015-212
Duplicate ID:
COC#: COC-015-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106016**
Project No:	**6360401**	**Samplers:**	**JM + AK**
Date:	**04/15/2021**		

Well Information

Well was	Clean	Well Depth:	508.29 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	478.29 ft MRP
Barricade/Notification:		Bottom of Screen:	503.29 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 465.16 ft MRP Depth to Water (DTW): 464.76 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth _____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW016-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW016-612	Sampling Medium:	Water
COC#:	COC-016-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/15/2021

Purge Start Time: 12:00 Purge Rate: 840 mL/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 13.13 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**465.16**	**3.97**	**19.4**		**1.93**	**368.7**	**7.95**	**149.5**
12:05	464.76	1.68	18.1	74.8	7.06	371.6	7.67	370.3
12:10	464.76	1.54	18.3	71.7	6.67	371.7	7.8	363.4
12:15	464.75	9.46	18.4	50.1	4.35	346.7	7.69	365.3
12:20	464.75	13.3	18.7	34.5	3.16	325.4	7.69	361.5
12:25	464.75	6.86	18.8	30.4	2.82	324.4	7.7	357.3
12:30	464.75	5.32	18.9	28.1	2.61	323.9	7.7	355.2
12:35	464.74	4.73	18.9	26.9	2.49	323.7	7.71	351.1
12:40	464.74	3.61	19	26.2	2.43	323.5	7.68	350.5

Sample Time: 12:51 Sample Date: 04/15/2021

Purge End Time: 12:50

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	11.1	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM and SM

Date: 04/19/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: 515.61 ft MRP

Top of Screen: 485.61 ft MRP

Bottom of Screen: 510.61 ft MRP

Reference Elevation Interval: 4857 & 4838

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 467.31 ft MRP Depth to Water (DTW): 466.4 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW017-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-017-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/19/2021

Purge Start Time: 08:03 Purge Rate: 600 mL/min X 0.265 = 0.159 gal/min

Description of first water purged: Clear, minor hydrocarbon odor

Drawdown Limit: 18.30 ft (based on previous water level)

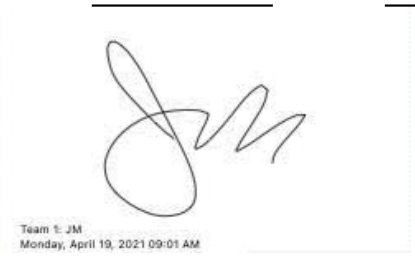
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**467.31**	**1.14**	**18.2**		**0.19**	**513.6**	**7.55**	**-54.2**
08:10	466.38	0.9	16.6	44.9	3.4	555.3	7.66	49.9
08:15	466.38	0.65	16.9	9	0.84	549.5	7.64	-16.5
08:20	466.37	3.72	17.1	5.3	0.52	548.7	7.6	49.9
08:25	466.37	0.6	17.1	4.2	0.41	547.4	7.57	-68.5
08:30	466.37	0.61	17.1	3.7	0.35	548.3	7.57	-77.4
08:35	466.37	6.23	17.1	3.3	0.31	547.1	7.54	-83.6
08:40	466.36	0.95	17.2	3	0.28	546.2	7.54	-89
08:45	466.36	0.61	17.2	2.8	0.26	545.7	7.56	-92.4
08:50	466.36	1.22	17.2	2.4	0.26	545	7.55	-94.7

Sample Time: 08:53 Sample Date: 04/19/2021

Purge End Time: 09:00

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	9.1	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM & SL

Date: 04/26/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: 508.67 ft MRP

Top of Screen: 478.96 ft MRP

Bottom of Screen: 503.96 ft MRP

Reference Elevation Interval: 4857 & 4838

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: ppm

LNAPL Present? LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 460.33 ft MRP Depth to Water (DTW): 459.5 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-710

Non-Dedicated Pump Depth 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW018-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-018-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/26/2021

Purge Start Time: 11:10 Purge Rate: 620 mL/min X 0.265 = 0.164 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 19.00 ft (based on previous water level)

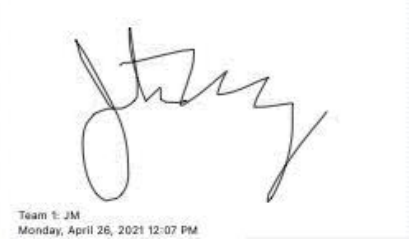
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**460.33**	**1.82**	**16.6**		**2.1**	**539.2**	**7.76**	**347.6**
11:15	459.51	6.32	20	30.8	2.81	581	7.49	267.7
11:20	459.52	1.13	19.6	14.2	1.3	600	7.47	259.6
11:25	459.51	0.92	19.3	7.6	0.7	600	7.49	249.2
11:30	459.51	0.45	19.2	5.1	0.47	600	7.51	236.8
11:35	459.51	0.41	19.3	4.1	0.38	601	7.52	224.8
11:40	459.5	0.51	19.3	3.7	0.34	601	7.53	213.9
11:45	459.5	0.39	19.2	3.3	0.3	601	7.54	203.1
11:50	459.5	0.64	19.3	3.1	0.28	600	7.55	188.6
11:55	159.5	0.44	19.3	2.9	0.26	600	7.55	178.5
12:00	459.5	0.39	19.2	2.8	0.26	600	7.57	170.8

Sample Time: 12:02 Sample Date: 04/26/2021

Purge End Time: 12:07

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.4	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM & SL

Date: 04/26/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: 525.91 ft MRP

Top of Screen: 195.91 ft MRP

Bottom of Screen: 520.91 ft MRP

Reference Elevation Interval: 4857 & 4838

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 479.24 ft MRP Depth to Water (DTW): 478.05 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-710

Non-Dedicated Pump Depth 497.91 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW019-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-019-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/26/2021

Purge Start Time: 08:53 Purge Rate: 840 mL/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear,no odor

Drawdown Limit: 17.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**479.24**	**27.6**	**18.5**		**0.72**	**810**	**7.6**	**375.3**
08:55	478.06	20.5	18.2	88	8.26	1830	7.67	325.6
09:00	478.06	11.8	18.3	79.7	7.49	479.1	7.72	317
09:05	478.06	8.24	18.8	35.1	3.26	442	7.69	311.2
09:10	478.05	6.1	18.9	25.2	2.34	441.1	7.66	303
09:15	478.05	6.07	19	21.4	1.98	440.9	7.66	295.1
09:20	478.06	3.94	19	19.1	1.77	440.7	7.66	286.5
09:25	478.05	3.69	18.9	17.6	1.63	442.1	7.64	278.8
09:30	478.05	3.2	19	16.2	1.5	441.7	7.66	271.1
09:35	478.05	3.73	19	15.5	1.44	442.2	7.62	265.2
09:40	478.05	3.1	19	14.8	1.37	442.7	7.64	258.1

Sample Time: 09:42 Sample Date: 04/26/2021

Purge End Time: 09:47

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

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.0	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106020**
Project No:	**6360401**	**Samplers:**	**JM & SL**
Date:	**04/27/2021**		

Well Information

Well was	Intermediate	Well Depth:	512 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	482 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	507 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	Pending Analysis Yard	IDW Label:	White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 464.69 ft MRP Depth to Water (DTW): 463.83 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-710

Non-Dedicated Pump Depth 484 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW020-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-020-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/27/2021

Purge Start Time: 08:34 Purge Rate: 800 mL/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 17.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**464.69**	**123**	**18.2**		**6.11**	**563.3**	**7.61**	**242.1**
08:45	463.83	44.6	17.2	45	4.33	518.2	7.7	387.2
08:50	463.83	53.8	17.5	24.2	2.31	523	7.69	378
08:55	463.85	55.2	17.6	20	1.91	524.4	7.66	371.3
09:00	463.83	41.5	17.7	18.2	1.73	525.5	7.66	364.5
09:05	463.83	41.4	17.8	17.7	1.68	527	7.67	357.5
09:10	463.83	40.7	17.8	17.5	1.66	527.6	7.64	353.7

Sample Time: 09:13 Sample Date: 04/27/2021

Purge End Time: 09:15

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

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	11.7	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW021-212

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	488.00 ft MRP
Previous Depth to Water (MRP):	**439.18**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	458.00 ft MRP
Length of Screen not submerged (ft):	**-18.82**			Bottom of Screen:	483.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 10:08

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 10:09 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106021 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW021-212

Date Sampled: 04/06/2021 **Time Sampled:** 14:15 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW021-212
Duplicate ID:
COC#: COC-021-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW022-212

Well Information

Screen Interval Length (ft):	**25**			Well Depth:	492.00 ft MRP
Previous Depth to Water (MRP):	**443.88**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	462.00 ft MRP
Length of Screen not submerged (ft):	**-18.12**			Bottom of Screen:	487.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 08:54

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 08:54 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106022 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW022-212

Date Sampled: 04/08/2021 **Time Sampled:** 12:15 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW022-212
Duplicate ID:
COC#: COC-022-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW023-212

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	503.04 ft MRP
Previous Depth to Water (MRP):	**454.20**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	473.04 ft MRP
Length of Screen not submerged (ft):	**-18.84**			Bottom of Screen:	498.04 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 10:43

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 10:43 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106023 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW023-212

Date Sampled: 04/09/2021 **Time Sampled:** 11:45 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW023-212
Duplicate ID:
COC#: COC-023-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM & KC

Date: 04/07/2021

Well Information

Well was Clean | Well Depth: 511.00 ft MRP

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)** | Top of Screen: 481.00 ft MRP

Barricade/Notification: | Bottom of Screen: 506.00 ft MRP

Measurement Reference Point (MRP): TWV | Reference Elevation Interval: 4857

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

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No | LNAPL Thickness: ft | LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 466.63 ft MRP | Depth to Water (DTW): 466.36 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW024-212 | Sampling Method: Low-flow

Duplicate ID (if applicable): | Sampling Medium: Water

COC#: COC-024-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/07/2021

Purge Start Time: 13:33 Purge Rate: 560 mL/min X 0.265 = 0.148 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 14.37 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**466.63**	**1.25**	**20.6**		**0.32**	**424.7**	**7.38**	**224.4**
13:38	466.37	7.94	20.8	18.7	1.65	390.5	7.68	263.4
13:43	466.37	5.33	20.8	12.1	1.08	386.9	7.69	261.3
13:48	466.36	1.61	20.8	10.0	0.90	385.3	7.67	253.8
13:53	466.37	3.48	20.8	9.3	0.83	383.4	7.65	245.3
13:58	466.37	4.48	20.7	8.7	0.77	377.6	7.64	237.9
14:02	466.37	5.42	20.7	8.4	0.76	387.2	7.62	233.7

Sample Time: 14:05 Sample Date: 04/07/2021

Purge End Time: 14:14

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

Sampled by: JM Sampler Signature: Low flow: Kc Monday, April 12, 2021 16:02 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	6.1	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW025-212

Well Information					
Screen Interval Length (ft):	**25**			Well Depth: 495.00	ft MRP
Previous Depth to Water (MRP):	**442.58**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 465.00	ft MRP
Length of Screen not submerged (ft):	**-22.42**			Bottom of Screen: 490.00	ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 14:00

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 14:10 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106025 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW025-212

Date Sampled: 04/05/2021 **Time Sampled:** 08:05 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW025-212
Duplicate ID:
COC#: COC-025-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

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

Quarter: 2

Sample ID: GW026-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth: 491.00	ft MRP
Previous Depth to Water (MRP):	**448.73**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 466.00	ft MRP
Length of Screen not submerged (ft):	**-17.27**			Bottom of Screen: 486.00	ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 14:16

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:20 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106026 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW026-212

Date Sampled: 04/02/2021 **Time Sampled:** 11:40 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW026-212
Duplicate ID:
COC#: COC-026-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106027**
Project No:	**6360401**	**Samplers:**	**JM + SM**
Date:	**04/02/2021**		

Well Information

Well was	Clean	Well Depth:	509.16 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	484.16 ft MRP
Barricade/Notification:		Bottom of Screen:	504.16 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 471.38 ft MRP Depth to Water (DTW): 471.31 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW027-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-027-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/02/2021

Purge Start Time: 09:55 Purge Rate: 680 mL/min X 0.265 = 0.180 gal/min

Description of first water purged: Clear and no odor

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

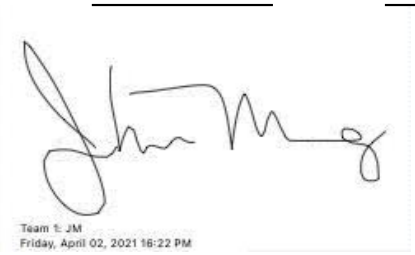
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**471.38**	**0.71**	**19.4**		**3.03**	**388.5**	**8.07**	**152.9**
10:00	471.32	0.89	18.3	34.9	3.28	431.2	7.69	331.8
10:05	471.32	0.90	18.4	32.6	3.06	427.1	7.77	317.2
10:10	471.32	0.56	18.5	32.5	3.04	422.7	7.78	307.9
10:15	471.32	0.94	18.5	32.4	3.04	421.0	7.78	302.0

Sample Time: 10:20 Sample Date: 04/02/2021

Purge End Time: 10:23

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	5.0	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106028**
Project No:	**6360401**	**Samplers:**	**JM + AK**
Date:	**04/20/2021**		

Well Information

Well was	Hazardous	Well Depth:	516.00 ft MRP
SCREEN SUBMERGED on	**01/20/2021 (previous gauging date)**	Top of Screen:	486.00 ft MRP
Barricade/Notification:		Bottom of Screen:	511.00 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 472.97 ft MRP Depth to Water (DTW): 472.29 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-902

Non-Dedicated Pump Depth 488 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW028-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-028-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/20/2021

Purge Start Time: 15:29 Purge Rate: 520 mL/min X 0.265 = 0.138 gal/min

Description of first water purged: Strong hydrocarbon odor, lite yellow hue

Drawdown Limit: 13.03 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**472.97**	**1.71**	**19.1**		**0.11**	**936**	**6.93**	**-228.7**
15:35	472.26	2.57	18.6	20.2	1.97	1295	6.7	-62.7
15:40	472.26	1.51	18.4	12.8	1.20	1300	6.76	-79.8
15:45	472.26	1.36	18.5	8.8	0.82	1301	6.81	-92.9
15:50	472.26	1.38	18.3	6.7	0.62	1300	6.81	-102.5
15:55	472.26	1.32	18.2	5.0	0.47	1301	6.84	-109.4
16:00	472.26	1.40	18.1	4.1	0.39	1301	6.84	-115.5
16:05	472.26	1.57	18.2	3.5	0.33	1302	6.84	-119.8
16:10	472.26	2.13	18.3	3.1	0.30	1302	6.87	-125.4
16:15	472.26	1.47	18.1	2.9	0.28	1301	6.85	-128.3
16:20	472.26	2.40	18.0	2.8	0.28	1299	6.81	-131.3

Sample Time: 16:23 Sample Date: 04/20/2021

Purge End Time: 16:31

Bubbles in the vials?: Yes Where? EDB & BTEX Amount: 1 Size: <2mm

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.5	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: Water highly aerated

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW029-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	475.80 ft MRP
Previous Depth to Water (MRP):	**440.49**	**(Gauged on 01/10/2017)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	450.80 ft MRP
Length of Screen not submerged (ft):	**-10.31**			Bottom of Screen:	470.80 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 11:05

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 11:06 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106029 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW029-212

Date Sampled: 04/06/2021 **Time Sampled:** 10:50 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW029-212
Duplicate ID:
COC#: COC-029-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW030-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	489.90 ft MRP
Previous Depth to Water (MRP):	**435.93**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	469.50 ft MRP
Length of Screen not submerged (ft):	**-33.57**			Bottom of Screen:	484.50 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 10:41

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 10:46 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106030 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW030-212

Date Sampled: 04/06/2021 **Time Sampled:** 10:15 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW030-212
Duplicate ID:
COC#: COC-030-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW031-212

Well Information					
Screen Interval Length (ft):	**13.7**			Well Depth:	514.90 ft MRP
Previous Depth to Water (MRP):	**436.07**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	495.80 ft MRP
Length of Screen not submerged (ft):	**-59.73**			Bottom of Screen:	509.50 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 10:54

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 10:57 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

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

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106031 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW031-212

Date Sampled: 04/06/2021 **Time Sampled:** 11:57 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes: One bubble in one EDB VOA, <1mm

Sample ID: GW031-212
Duplicate ID:
COC#: COC-031-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW032-212

Well Information

Screen Interval Length (ft):	**20**			Well Depth:	480.50 ft MRP
Previous Depth to Water (MRP):	**441.47**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	456.00 ft MRP
Length of Screen not submerged (ft):	**-14.53**			Bottom of Screen:	476.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 13:10

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Tuesday, March 16, 2021 13:10 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
MS/MSD sample required; please deploy extra samplers	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106032 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW032-212

Date Sampled: 04/08/2021 **Time Sampled:** 10:51 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW032-212
Duplicate ID:
COC#: COC-032-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021
Quarter: 2
Sample ID: GW033-212

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

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	496.60 ft MRP
Previous Depth to Water (MRP):	**441.61**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	477.00 ft MRP
Length of Screen not submerged (ft):	**-35.39**			Bottom of Screen:	492.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 13:36

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Tuesday, March 16, 2021 13:37 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106033 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW033-212

Date Sampled: 04/08/2021 **Time Sampled:** 11:17 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** AK

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW033-212
Duplicate ID:
COC#: COC-033-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW034-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	522.00 ft MRP
Previous Depth to Water (MRP):	**442.47**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	502.00 ft MRP
Length of Screen not submerged (ft):	**-59.53**			Bottom of Screen:	517.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 13:24

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Tuesday, March 16, 2021 13:24 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106034 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW034-212

Date Sampled: 04/08/2021 **Time Sampled:** 11:37 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW034-212
Duplicate ID:
COC#: COC-034-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW035-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	487.13 ft MRP
Previous Depth to Water (MRP):	**447.88**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	452.13 ft MRP
Length of Screen not submerged (ft):	**-4.25**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	482.13 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 09:41

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 446.77

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 09:46 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106035 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW035-212

Date Sampled: 04/09/2021 **Time Sampled:** 08:22 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW035-212
Duplicate ID:
COC#: COC-035-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

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

Quarter: 2

Sample ID: GW036-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	501.88 ft MRP
Previous Depth to Water (MRP):	**448.35**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	481.88 ft MRP
Length of Screen not submerged (ft):	**-33.53**			Bottom of Screen:	496.88 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 09:53

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 09:53 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106036 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW036-212

Date Sampled: 04/09/2021 **Time Sampled:** 08:41 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW036-212
Duplicate ID:
COC#: COC-036-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW037-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	527.05 ft MRP
Previous Depth to Water (MRP):	**449.00**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	507.05 ft MRP
Length of Screen not submerged (ft):	**-58.05**			Bottom of Screen:	522.05 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 10:09

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 10:08 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106037 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW037-212

Date Sampled: 04/09/2021 **Time Sampled:** 09:02 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW037-212
Duplicate ID: GW037-612
COC#: COC-037-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM & KC

Date: 04/12/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 516.26 ft MRP

Top of Screen: 481.26 ft MRP

Bottom of Screen: 511.26 ft MRP

Reference Elevation Interval: 4857

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 476.32 ft MRP Depth to Water (DTW): 475.50 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 483.50 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW038-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-038-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/12/2021

Purge Start Time: 08:12 Purge Rate: 860 mL/min X 0.265 = 0.228 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 4.94 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**476.32**	**1.12**	**23.1**		**6.43**	**478**	**7.69**	**420**
08:17	475.50	0.50	15.3	42.8	4.16	870	7.46	327.9
08:22	475.50	0.59	16.0	38.3	3.77	880	7.60	316.6
08:27	475.50	0.29	16.5	37.7	3.68	879	7.59	310.8
08:32	475.50	0.42	16.7	37.2	3.63	878	7.59	307.0

Sample Time: 08:33 Sample Date: 04/12/2021

Purge End Time: 08:38

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.4	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106039**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/12/2021**		

Well Information

Well was	Clean	Well Depth:	531.43 ft MRP
SCREEN SUBMERGED on	**01/20/2021** **(previous gauging date)**	Top of Screen:	511.43 ft MRP
Barricade/Notification:		Bottom of Screen:	526.43 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 476.14 ft MRP Depth to Water (DTW): 475.30 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 513.50 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW039-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-039-212		

Reviewed By:  Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/12/2021

Purge Start Time: 11:00 Purge Rate: 640 mL/min X 0.265 = 0.170 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 35.29 ft (based on previous water level)

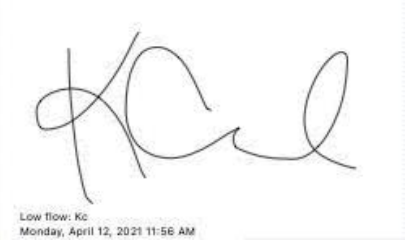
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**476.14**	**2.68**	**24**		**2.41**	**776**	**7.58**	**383.1**
11:10	475.31	3.98	20.2	46.2	4.10	823	7.49	330.3
11:15	475.30	5.36	20.5	35.1	3.14	835	7.51	323.0
11:20	475.30	3.75	20.8	30.2	2.70	835	7.54	318.3
11:25	475.30	3.19	20.9	30.0	2.67	837	7.52	314.4
11:25	475.30	2.72	20.9	28.3	2.51	839	7.54	309.4

Sample Time: 11:32 Sample Date: 04/12/2021

Purge End Time: 11:45

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.1	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Project No: 6360401 **Samplers:** JM & KC

Date: 04/12/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 553.61 ft MRP

Top of Screen: 533.61 ft MRP

Bottom of Screen: 548.61 ft MRP

Reference Elevation Interval: 4814

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 475.05 ft MRP Depth to Water (DTW): 474.22 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 535.50 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW040-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-040-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/12/2021

Purge Start Time: 09:36 Purge Rate: 800 mL/min X 0.265 = 0.212 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 58.56 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**475.05**	**1.31**	**18.4**		**3.42**	**554.8**	**7.51**	**405.1**
09:42	474.23	2.09	17.0	48.8	4.72	537.5	7.64	307.8
09:47	474.23	1.59	17.8	39.4	3.73	537.6	7.64	305.0
09:52	474.23	1.32	18.0	37.4	3.54	536.5	7.63	304.1
09:57	474.23	1.36	17.9	36.2	3.42	535.9	7.59	304.9

Sample Time: 10:00 Sample Date: 04/12/2021

Purge End Time: 10:04

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.4	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Passive Diffusion Water Sampling Data Sheet

Year: 2021

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

Quarter: 2

Sample ID: GW041-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth: 473.80	ft MRP
Previous Depth to Water (MRP):	**450.19**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 449.00	ft MRP
Length of Screen not submerged (ft):	**1.19**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen: 469.00	ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 08:40

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 448.79

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 08:38 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106041 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW041-212

Date Sampled: 04/05/2021 **Time Sampled:** 08:42 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW041-212
Duplicate ID:
COC#: COC-041-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW042-212

Well Information					
Screen Interval Length (ft):	**14.5**			Well Depth:	488.50 ft MRP
Previous Depth to Water (MRP):	**449.91**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	469.00 ft MRP
Length of Screen not submerged (ft):	**-19.09**			Bottom of Screen:	483.50 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 09:13

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 09:13 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**469.70**
✓	**2**	**472.30**
✓	**3**	**474.90**
	4	**477.50**
	5	**480.10**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106042 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW042-212

Date Sampled: 04/05/2021 **Time Sampled:** 09:23 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW042-212
Duplicate ID:
COC#: COC-042-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

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

Year: 2021
Quarter: 2
Sample ID: GW043-212

Well Information					
Screen Interval Length (ft):	**14.5**			Well Depth:	562.50 ft MRP
Previous Depth to Water (MRP):	**450.13**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	543.00 ft MRP
Length of Screen not submerged (ft):	**-92.87**			Bottom of Screen:	557.50 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 08:55

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 09:02 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106043 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW043-212

Date Sampled: 03/31/2021 **Time Sampled:** 09:02 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW043-212
Duplicate ID:
COC#: COC-043-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106044**
Project No:	**6360401**	**Samplers:**	**JM + SM**
Date:	**04/02/2021**		

Well Information

Well was	Clean	Well Depth:	527.04 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	507.34 ft MRP
Barricade/Notification:		Bottom of Screen:	522.34 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	5348.793
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 471.53 ft MRP Depth to Water (DTW): 471.47 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth _____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW044-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):	GW044-612	Sampling Medium:	Water
COC#:	COC-044-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/02/2021

Purge Start Time: 08:29 Purge Rate: 840 mL/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 35.81 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**471.53**	**0.64**	**19.5**		**3.1**	**374.4**	**8.17**	**167.9**
08:35	471.47	0.25	17.3	74.9	7.19	369.7	7.52	385.9
08:40	471.47	0.57	17.3	64.8	6.19	370.2	7.52	383.0
08:45	471.47	3.18	17.7	35.0	3.33	375.7	7.68	378.5
08:50	471.47	3.38	17.8	31.3	2.97	376.8	7.75	372.6
08:55	471.47	2.13	17.9	30.2	2.87	376.6	7.76	369.1
09:00	471.47	1.74	17.9	29.6	2.82	376.1	7.75	364.8

Sample Time: 09:05 Sample Date: 04/02/2021

Purge End Time: 09:12

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

Sampled by: JM Sampler Signature: Team 1: JM Friday, April 02, 2021 16:25 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	9.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106045**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/13/2021**		

Well Information

Well was	Clean	Well Depth:	551.42 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	531.72 ft MRP
Barricade/Notification:		Bottom of Screen:	546.72 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 471.22 ft MRP Depth to Water (DTW): 471.110 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth _____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW045-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-045-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/13/2021

Purge Start Time: 11:53 Purge Rate: 840 mL/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 60.50 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**471.22**	**0.46**	**22.4**		**3.08**	**347.7**	**7.72**	**393.5**
12:00	471.10	0.31	17.5	37.5	3.41	352.1	7.85	470.9
12:05	471.10	0.35	18.4	33.3	3.14	352.1	7.94	452.1
12:10	471.09	0.39	18.8	31.8	2.94	357.5	7.90	441.7
12:15	471.09	0.39	18.8	30.9	2.87	357.6	7.88	434.5

Sample Time: 12:16 Sample Date: 04/13/2021

Purge End Time: 12:20

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.5	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106046**
Project No:	**6360401**	**Samplers:**	**JM + SM**
Date:	**04/02/2021**		

Well Information

Well was	Clean	Well Depth:	515.00 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	490.00 ft MRP
Barricade/Notification:	EA Barricade (Air National Guard)	Bottom of Screen:	510.00 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 476.37 ft MRP Depth to Water (DTW): 476.24 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth _____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW046-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-046-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/02/2021

Purge Start Time: 11:15 Purge Rate: 930 mL/min X 0.265 = 0.246 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 13.63 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**476.37**	**0.95**	**19.5**		**1.7**	**482.7**	**7.58**	**367**
11:20	476.25	0.97	18.8	78.6	7.32	432.5	7.69	300.7
11:25	476.25	0.59	18.8	69.5	6.46	432.4	7.55	296.3
11:30	476.25	0.52	19.1	59.5	5.50	388.3	7.64	284.4
11:35	476.25	0.39	19.2	57.7	5.33	388.3	7.65	279.9
11:40	476.25	1.00	19.1	58.1	5.37	390.7	7.65	276.9

Sample Time: 11:45 Sample Date: 04/02/2021

Purge End Time: 11:47

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	7.9	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106047**
Project No:	**6360401**	**Samplers:**	**JM + SM**
Date:	**04/02/2021**		

Well Information

Well was	Clean	Well Depth:	532.00 ft MRP
SCREEN SUBMERGED on	**01/18/2021** **(previous gauging date)**	Top of Screen:	512.00 ft MRP
Barricade/Notification:	EA Barricade (Air National Guard)	Bottom of Screen:	527.00 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 476.47 ft MRP Depth to Water (DTW): 476.28 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth _____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW047-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-047-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

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

Purge Information and Field Parameter

Date: 04/02/2021

Purge Start Time: 12:20 Purge Rate: 650 mL/min X 0.265 = 0.172 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 35.53 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**476.47**	**1.97**	**19.1**		**3.84**	**445.0**	**7.79**	**374.0**
12:25	476.30	0.37	19.2	79.3	7.33	384.8	7.64	298.3
12:30	476.30	0.35	18.8	76.7	7.14	383.9	7.39	299.4
12:35	476.30	0.29	18.7	74.6	6.96	383.5	7.35	297.6
12:40	476.30	1.16	18.7	71.4	6.66	383.6	7.33	295.3

Sample Time: 12:45 Sample Date: 04/02/2021

Purge End Time: 12:46

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

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	4.5	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106048**
Project No:	**6360401**	**Samplers:**	**J.Messenger, K.Copeland**
Date:	**04/14/2021**		

Well Information

Well was	Clean	Well Depth:	555.5 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	535.5 ft MRP
Barricade/Notification:	EA Barricade (Air National Guard)	Bottom of Screen:	550.5 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 476.2 ft MRP Depth to Water (DTW): 465.85 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW048-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-048-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106048

Purge Information and Field Parameter

Date: 04/14/2021

Purge Start Time: 14:57 Purge Rate: 740 mL/min X 0.265 = 0.196 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 59.30 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**476.2**	**27.6**	**21.1**		**5.92**	**387**	**7.9**	**399.4**
14:02	475.85	5.64	23.2	67.7	5.7	367	7.44	343.1
14:07	475.85	4.45	22.7	62.9	5.42	368.1	7.49	329.5
14:12	475.85	4.38	22.6	61.8	5.37	368	7.52	318.7

Sample Time: 15:13 Sample Date: 04/14/2021

Purge End Time: 15:17

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	11.4	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106049 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW049-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	480.70 ft MRP
Previous Depth to Water (MRP):	**441.08**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	456.80 ft MRP
Length of Screen not submerged (ft):	**-15.72**			Bottom of Screen:	476.80 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 10:30

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 10:30 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106049 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW049-212

Date Sampled: 04/08/2021 **Time Sampled:** 08:00 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW049-212
Duplicate ID:
COC#: COC-049-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106050 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW050-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	494.80 ft MRP
Previous Depth to Water (MRP):	**440.49**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	474.40 ft MRP
Length of Screen not submerged (ft):	**-33.91**			Bottom of Screen:	489.40 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 11:09

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 11:09 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106050 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW050-212

Date Sampled: 03/31/2021 **Time Sampled:** 08:51 **Sampling Team:** D.Schmeelk, R.Wittle

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** Ask

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW050-212
Duplicate ID:
COC#: COC-050-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106051 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW051-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	521.20 ft MRP
Previous Depth to Water (MRP):	**440.78**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	500.80 ft MRP
Length of Screen not submerged (ft):	**-60.02**			Bottom of Screen:	515.80 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 10:57

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 10:58 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106051 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW051-212

Date Sampled: 04/08/2021 **Time Sampled:** 08:22 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW051-212
Duplicate ID: GW051-612
COC#: COC-051-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106052 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW052-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	484.80 ft MRP
Previous Depth to Water (MRP):	**444.33**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	449.60 ft MRP
Length of Screen not submerged (ft):	**-5.27**			Bottom of Screen:	479.60 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 12:15

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Tuesday, March 16, 2021 12:20 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106052 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW052-212

Date Sampled: 04/08/2021 **Time Sampled:** 10:11 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW052-212
Duplicate ID:
COC#: COC-052-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106053 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW053-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	498.40 ft MRP
Previous Depth to Water (MRP):	**444.26**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	478.40 ft MRP
Length of Screen not submerged (ft):	**-34.14**			Bottom of Screen:	493.40 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 12:04

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 12:03 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106053 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW053-212

Date Sampled: 04/08/2021 **Time Sampled:** 09:50 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW053-212
Duplicate ID:
COC#: COC-053-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106054 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW054-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	524.00 ft MRP
Previous Depth to Water (MRP):	**443.90**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	504.00 ft MRP
Length of Screen not submerged (ft):	**-60.1**			Bottom of Screen:	519.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 11:44

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 11:46 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**504.70**
✓	**2**	**507.30**
✓	**3**	**509.90**
	4	**512.50**
	5	**515.10**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106054 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW054-212

Date Sampled: 04/08/2021 **Time Sampled:** 09:27 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW054-212
Duplicate ID:
COC#: COC-054-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106057 ***Deployment***

Quarter: 2

Sample ID: GW057-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	505.30 ft MRP
Previous Depth to Water (MRP):	**451.62**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	484.90 ft MRP
Length of Screen not submerged (ft):	**-33.28**			Bottom of Screen:	499.90 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 14:36

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 14:36 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106057 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW057-212

Date Sampled: 04/05/2021 **Time Sampled:** 12:00 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW057-212
Duplicate ID:
COC#: COC-057-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106058 ***Deployment***

Quarter: 2

Sample ID: GW058-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	530.30 ft MRP
Previous Depth to Water (MRP):	**452.17**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	511.80 ft MRP
Length of Screen not submerged (ft):	**-59.63**			Bottom of Screen:	526.80 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 14:54

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 14:53 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**512.50**
✓	**2**	**515.10**
✓	**3**	**517.70**
	4	**520.30**
	5	**522.90**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106058 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW058-212

Date Sampled: 04/05/2021 **Time Sampled:** 11:32 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW058-212
Duplicate ID:
COC#: COC-058-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106059**
Project No:	**6360401**	**Samplers:**	**JM + AK**
Date:	**04/22/2021**		

Well Information

Well was	Hazardous	Well Depth:	511.46 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	486.46 ft MRP
Barricade/Notification:		Bottom of Screen:	506.46 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL observed during last gauging event: 1/18/2021

Previous Depth to water: 471.1 ft MRP Depth to Water (DTW): 470.78 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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

Sample Information

Sample ID:	GW059-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-059-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106059

Purge Information and Field Parameter

Date: 04/22/2021

Purge Start Time: 08:24 Purge Rate: 680 mL/min X 0.265 = 0.180 gal/min

Description of first water purged: Clear, slight hydrocarbon odor

Drawdown Limit: 15.36 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**471.1**	**3.34**	**19.4**		**0.24**	**767**	**6.82**	**-117.8**
08:30	470.83	3.34	16.6	83.7	8.07	701	7.06	54.8
08:35	470.83	4.18	17.5	17.4	1.66	901	6.89	-62.6
08:40	470.83	3.21	17.9	10.4	0.98	909	6.87	-79.4
08:45	470.83	3.57	18.1	7.5	0.70	909	6.86	-84.3
08:50	470.83	2.56	18.2	7.0	0.66	907	6.86	-86.9
08:55	470.83	4.32	18.3	5.8	0.54	907	6.82	-86.8
09:00	470.83	2.86	18.4	4.7	0.44	905	6.82	-88.4
09:05	470.83	3.37	18.3	4.4	0.41	904	6.80	-90.0
09:10	470.83	2.59	18.3	3.9	0.36	900	6.81	-92.4
09:15	470.83	2.45	18.4	3.6	0.33	897	6.83	-95.4
09:20	470.83	2.58	18.3	3.3	0.30	894	6.80	-95.5
09:25	470.83	2.58	18.4	3.2	0.30	894	6.82	-98.5

Sample Time: 09:28 Sample Date: 04/22/2021

Purge End Time: 09:33

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	17.4	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106060

Project No: 6360401 **Samplers:** JM & KC

Date: 04/07/2021

Well Information

Well was Clean Well Depth: 523.00 ft MRP

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)** Top of Screen: 503.00 ft MRP

Barricade/Notification: Bottom of Screen: 518.00 ft MRP

Measurement Reference Point (MRP): TWV Reference Elevation Interval: 4838

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

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 468.64 ft MRP Depth to Water (DTW): 468.38 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW060-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-060-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106060

Purge Information and Field Parameter

Date: 04/07/2021

Purge Start Time: 12:34 Purge Rate: 600 mL/min X 0.265 = 0.159 gal/min

Description of first water purged: Clear and no odor

Drawdown Limit: 34.36 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**468.64**	**0.98**	**18.9**		**6.32**	**735**	**7.59**	**338.9**
12:39	468.39	0.87	18.2	73.1	6.89	612	7.7	327.0
12:44	468.40	0.29	18.1	71.7	6.75	616	7.64	321.4
12:49	468.39	0.32	18.1	69.9	6.59	617	7.62	315.2

Sample Time: 12:52 Sample Date: 04/07/2021

Purge End Time: 12:57

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	3.7	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106061**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/13/2021**		

Well Information

Well was	Clean	Well Depth:	593.20 ft MRP
SCREEN SUBMERGED on	**01/18/2021** **(previous gauging date)**	Top of Screen:	573.2 ft MRP
Barricade/Notification:		Bottom of Screen:	588.2 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 468.64 ft MRP Depth to Water (DTW): 468.28 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 575.20 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW061-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-061-212		

Reviewed By:  Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106061

Purge Information and Field Parameter

Date: 04/13/2021

Purge Start Time: 15:17 Purge Rate: 700 mL/min X 0.265 = 0.186 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 104.56 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**468.64**	**2.81**	**22.4**		**2.27**	**364.9**	**7.85**	**388.0**
15:22	468.27	3.03	21.1	42.8	3.77	359.9	7.83	332.7
15:27	468.27	2.76	20.9	32.5	2.89	359.6	7.77	333.8
15:32	468.27	2.10	20.8	30.4	2.73	359.4	7.74	331.5
15:37	468.27	1.57	20.7	29.8	2.67	359.1	7.75	328.9

Sample Time: 15:39 Sample Date: 04/13/2021

Purge End Time: 15:44

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.5	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106062

Project No: 6360401 **Samplers:** JM + SM

Date: 04/02/2021

Well Information

Well was Clean

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 597.97 ft MRP

Top of Screen: 578.27 ft MRP

Bottom of Screen: 593.27 ft MRP

Reference Elevation Interval: 4814

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 474.66 ft MRP Depth to Water (DTW): 474.42 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW062-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-062-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106062

Purge Information and Field Parameter

Date: 04/02/2021

Purge Start Time: 13:32 Purge Rate: 690 mL/min X 0.265 = 0.183 gal/min

Description of first water purged: Clear and no odor

Drawdown Limit: 103.61 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**474.66**	**6.18**	**19.0**		**4.04**	**391.4**	**7.73**	**358.3**
13:40	474.43	0.38	17.7	74.9	7.12	339.3	7.59	301.5
13:45	474.43	0.46	17.8	73.5	6.99	339.3	7.56	298.4
13:50	474.43	0.61	17.8	71.1	6.74	339.5	7.52	296.8
13:55	474.43	0.45	18.0	69.5	6.58	339.7	7.48	295.5

Sample Time: 13:58 Sample Date: 04/02/2021

Purge End Time: 14:02

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	5.5	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106063
Project No: 6360401
Samplers: J. Messenger
Date: 4-1-21
Crew Signature:

Well Information

Well was previously HAZARDOUS
SCREEN SUBMERGED on 5/19/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: 90 Day Area

Well Depth: 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

Previous Depth to water: 473.91 ft MRP
Depth to Water (DTW): 475.25 ft MRP

Pump Information

Dedicated Pump

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

Non-Dedicated Pump Depth: NA ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus	Serial No:	WH0003 (578)
PID:	MiniRAE 3000	Serial No:	592-915579 (WH0006)
Water Level Meter:	Solinst 500 ft	Serial No:	WH0566
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW063-212
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW063-612
Sampling Medium: Water
COC#: COC-063-212

Reviewed by: Initials: Review Date: 4-30-21

Groundwater Purge and Sampling Log

Year: 2021
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106063

Purge Information and Field Parameter

Date: 4-1-21

Purge Start Time: 0759 Purge Rate: 300 mL per stroke L/min X 0.265 = 0.60 gal/min

Description of first water purged: clear; weak hydrocarbon odor

Drawdown Limit: 34.22 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:	**473.91**	**1.1**	**16.7**	-------	**1.94**	**417**	**7.31**	**156.3**
0812	475.25	2.50	16.1	46.1	4.54	826	7.18	274.1
0815	475.25	1.44	16.2	41.4	4.05	828	7.21	275.3
0818	475.25	2.25	16.1	35.7	3.51	831	6.91	269.6
0823	475.25	2.71	15.8	27.4	2.70	815	6.85	158.2
0828	475.25	7.22	15.8	17.3	1.70	784	6.84	101.6
0833	475.25	8.97	16.4	12.4	1.21	773	6.85	57.0
0839	475.25	8.48	16.3	9.6	0.93	767	6.87	29.2
0844	475.25	8.79	16.3	8.2	0.80	761	6.86	10.6
0848	475.25	7.87	16.4	7.6	0.74	755	6.86	-6.1
0853	475.25	9.12	16.6	6.6	0.64	748	6.87	-24.5
0858	475.25	9.67	16.6	5.9	0.57	738	6.88	-43.1
0903	475.25	8.26	16.8	5.4	0.52	730	6.88	-61.9
0908	475.25	8.16	16.8	5.3	0.52	728	6.86	-79.6

5 stable readings

Sample Time: 0912 Sample Date: 4-1-21

Purge End Time: 0918

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	APTIM TOXIC WASTE
2	
Total	

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

55 sec to fill bladder
23 sec to discharge

Comments: Allowed 30 minutes to evacuate static water in bladder + line before measuring parameters

Reviewed by: Initials: Review Date: 4-30-21

Groundwater Purge and Sampling Log

Year: 2021
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106064
Project No: 6360401
Samplers: J. Messenger
Date: 4-1-21
Crew Signature:

Well Information

Well was previously HAZARDOUS
SCREEN SUBMERGED on 5/19/2020 (previous gauging date)
Barricade/Notification: ☐
Measurement Reference Point (MRP): Top of Protective Casing
IDW will be taken to: 90 Day Area

Well Depth: 513.06 ft MRP
Top of Screen: 488.06 ft MRP
Bottom of Screen: 508.06 ft MRP
Reference Elevation Interval: 4857
IDW Label: Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

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

Previous Depth to water: 473.08 ft MRP **Depth to Water (DTW):** _____ **ft MRP**

Could not get any water level meters to depth; hung up on tubing, etc.

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:	17H105740
PID:	MiniRAE 3000	Serial No:	WH0006
Water Level Meter:	Solinst 500 ft	Serial No:	N/A
Turbidity Meter:	Hach 2100Q	Serial No:	WH0007

Sample Information

Sample ID: GW064-212
Sampling Method: Low-flow
Duplicate ID: (if applicable) GW064-612
Sampling Medium: Water
COC#: COC-064-212

Reviewed by: _____ Initials: _____ Review Date: 4-30-21

Groundwater Purge and Sampling Log

Year: 2021
Quarter: 2 (Apr-Jun)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106064

Purge Information and Field Parameter

Date: 4-1-21

Purge Start Time: 0810 Purge Rate: 275 mL per stroke L/min X 0.265 = 0.55 gal/min

Description of first water purged: clear; moderate hydrocarbon odor - moderately aerated

Drawdown Limit: 14.98 ft (based on previous water level)

mS/cm

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:	473.08	0.91	18	-------	0	707	7.09	-257.5
0820	—	2.91	15.9	23.0	2.25	1.32	6.84	-94.4
0825	—	2.73	16.2	15.4	1.50	1.31	6.82	-90.8
0830	—	2.33	16.4	12.9	1.26	1.31	6.81	-83.7
0835	—	2.63	16.6	~~0.06~~	~~1.30~~	1.30	6.76	-80.1
~~0840~~ 0841	—	2.02	16.7	10.3 5.2	1.00 0.50	1.29	6.74	-78.8
0845	—	2.13	16.9	4.4	0.42	1.28	6.75	-79.6
0850	—	1.89	16.8	3.7	0.36	1.28	6.74	-81.1
~~0855~~ 0854	—	1.91	17.0	3.1	0.30	1.28	6.74	-81.9
0900	—	1.97	16.9	3.1	0.30	1.27	6.74	-83.6
0905	—	2.11	17.0	3.0	0.29	1.26	6.77	-84.9

stabilized

Sample Time: 0920 Sample Date: 4-1-21

Purge End Time: 0928 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	APTIM TOOK WASTE
2	
Total	

IDW will be taken to: 90 Day Area

IDW Label: Orange Hazardous

Comments: Allowed ~10 minutes to evacuate static water in bladder + lines before measuring parameters

Reviewed by: D. Schmeelk Initials: Review Date: 4-30-2021

Page 2 of 2

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106065

Project No: 6360401 **Samplers:** JM

Date: 04/16/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TWV

IDW will be taken to: Pending Analysis Yard

Well Depth: 528 ft MRP

Top of Screen: 508 ft MRP

Bottom of Screen: 523 ft MRP

Reference Elevation Interval: 4838

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 472.83 ft MRP Depth to Water (DTW): 472.35 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Intermediate - Geotech 500 ft - 0001 WH0570
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW065-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-065-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106065

Purge Information and Field Parameter

Date: 04/16/2021

Purge Start Time: 11:30 Purge Rate: 960 mL/min X 0.265 = 0.254 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 35.17 ft (based on previous water level)

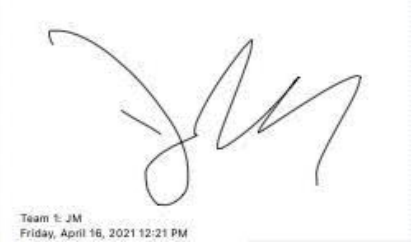
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**472.83**	**2.82**	**16.5**		**5.8**	**644**	**7.16**	**201.3**
11:35	472.38	2.73	15.2	63.9	6.4	580.1	7.26	214.6
11:40	472.37	2.1	15.9	59.9	5.91	578.4	7.33	215.2
11:45	472.37	4.88	16.4	58.9	5.75	579	7.35	218.9
11:50	472.37	4.99	16.7	10.3	1	582	7.32	2.3
11:55	472.37	3.81	17	7.7	0.74	640	7.26	-13.2
12:00	472.37	1.84	17.1	5.4	0.52	642	7.25	-28.9
12:05	472.37	2.22	17.3	5.1	0.49	642	7.26	-39.5
12:10	472.37	1.88	17.3	5	0.48	641	7.25	-43.7

Sample Time: 12:12 Sample Date: 04/16/2021

Purge End Time: 12:17

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.0	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106066

Project No: 6360401 **Samplers:** JM

Date: 04/16/2021

Well Information

Well was Clean

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 595.8 ft MRP

Top of Screen: 575.6 ft MRP

Bottom of Screen: 590.6 ft MRP

Reference Elevation Interval: 4814

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 473.12 ft MRP Depth to Water (DTW): 472.47 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Clean - Solinst 500 ft - 253053 WH0012
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW066-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-066-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106066

Purge Information and Field Parameter

Date: 04/16/2021

Purge Start Time: 12:58 Purge Rate: 760 mL/min X 0.265 = 0.201 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 102.48 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**473.12**	**1.17**	**16.7**		**4.47**	**333.4**	**7.80**	**340.4**
13:05	472.47	0.57	15.2	73.2	7.34	319.8	7.39	219
13:10	472.47	0.51	15.7	70.3	6.97	319.9	7.41	220
13:15	472.47	0.62	16.3	68.2	6.68	320.3	7.46	220.6
13:20	472.47	0.54	16.5	51.2	4.98	320.1	7.55	224.2
13:25	472.47	0.59	16.8	42.1	4.09	320	7.8	224.1
13:30	472.47	0.75	17	40.2	3.88	319.6	7.9	224.7
13:35	472.47	0.88	17	40.1	3.88	319.5	7.9	226.7

Sample Time: 13:38 Sample Date: 04/16/2021

Purge End Time: 13:43

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

Sampled by: JM Sampler Signature: Tea 1: JM Friday, April 16, 2021 13:48 PM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	9.1	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106067**
Project No:	**6360401**	**Samplers:**	**JM + AK**
Date:	**04/16/2021**		

Well Information

Well was	Intermediate	Well Depth:	510.00 ft MRP
SCREEN SUBMERGED on	**01/20/2021** **(previous gauging date)**	Top of Screen:	485.00 ft MRP
Barricade/Notification:		Bottom of Screen:	505.00 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	Pending Analysis Yard	IDW Label:	White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ____ ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 472.02 ft MRP Depth to Water (DTW): 470.99 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW067-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-067-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106067

Purge Information and Field Parameter

Date: 04/16/2021

Purge Start Time: 09:50 Purge Rate: 930 mL/min X 0.265 = 0.246 gal/min

Description of first water purged: Clear, minor hydrocarbon odor

Drawdown Limit: 12.98 ft (based on previous water level)

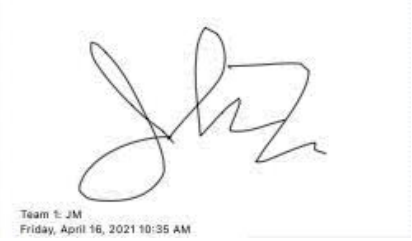
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**472.02**	**1.07**	**18.6**		**0.13**	**979**	**7.08**	**-96.7**
09:52	471.02	2.03	17.6	38.1	3.6	832	7.54	153.1
09:57	471.01	3.48	18	8.5	0.8	573.4	7.4	100
10:02	471.01	6.04	18.2	5.4	0.51	564.7	7.34	74.1
10:07	471.01	2.3	18.2	4	0.37	567.2	7.31	53.2
10:12	471.01	2.39	18.2	3	0.28	567.7	7.29	33.5
10:17	471.01	2.03	18.2	2.6	0.24	566.4	7.31	12.3
10:22	471.01	2.15	18.1	2.4	0.23	567.7	7.28	1.6
10:27	471.01	2.34	18.2	2.3	0.22	570.4	7.29	-11.9

Sample Time: 10:28 Sample Date: 04/16/2021

Purge End Time: 10:34

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	10.8	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106068**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/06/2021**		

Well Information

Well was	Clean	Well Depth:	600.00 ft MRP
SCREEN SUBMERGED on	**01/20/2021 (previous gauging date)**	Top of Screen:	580.00 ft MRP
Barricade/Notification:		Bottom of Screen:	595.00 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ____ ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 471.88 ft MRP Depth to Water (DTW): 470.79 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW068-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-068-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106068

Purge Information and Field Parameter

Date: 04/06/2021

Purge Start Time: 13:15 Purge Rate: 840 mL/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 108.12 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**471.88**	**5.3**	**18.4**		**5.85**	**345.1**	**7.75**	**300.7**
13:20	470.82	0.35	18.4	78.8	7.38	335.6	7.50	288.1
13:25	470.81	2.56	18.1	74.1	7.00	335.1	7.37	285.7
13:30	470.81	6.68	18.4	70.6	6.61	335.3	7.36	279.5

Sample Time: 13:33 Sample Date: 04/06/2021

Purge End Time: 13:39

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

Sampled by: JW Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	5.3	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106069

Project No: 6360401 **Samplers:** JM & SL

Date: 04/26/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TWV

IDW will be taken to: Pending Analysis Yard

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: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 471.64 ft MRP Depth to Water (DTW): 470.34 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 187B-710

Non-Dedicated Pump Depth 508 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW069-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-069-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106069

Purge Information and Field Parameter

Date: 04/26/2021

Purge Start Time: 14:36 Purge Rate: 680 mL/min X 0.265 = 0.180 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 34.00 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**471.64**	**0.73**	**17**		**0.26**	**558.2**	**7.69**	**-54.9**
14:40	470.36	2.68	22.4	92.2	8.11	447.5	7.2	241
14:45	470.36	1.85	21.2	41	3.64	667	7.32	237.9
14:50	470.36	1.04	21	14.6	1.3	678	7.36	221.3
14:55	470.36	0.87	20.8	9.6	0.86	679	7.4	193.8
15:00	470.36	0.81	20.5	7.1	0.64	680	7.4	157.8
15:05	470.36	0.96	20.3	5.9	0.53	680	7.42	113.2
15:10	470.36	0.76	20.7	5.1	0.45	682	7.45	48.9
15:15	470.36	0.65	20.3	4.4	0.4	684	7.44	23.7
15:20	470.36	0.87	20.4	4	0.36	684	7.44	1.3
15:25	470.36	0.56	20.3	3.7	0.34	687	7.47	-14.1
15:30	470.36	0.53	20.3	3.6	0.33	688	7.48	-25.4

Sample Time: 15:33 Sample Date: 04/26/2021

Purge End Time: 15:38

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.2	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/01/2021

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106070 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW070-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	485.00 ft MRP
Previous Depth to Water (MRP):	**443.86**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	460.00 ft MRP
Length of Screen not submerged (ft):	**-16.14**			Bottom of Screen:	480.00 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 15:32

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 15:34 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106070 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW070-212

Date Sampled: 04/12/2021 **Time Sampled:** 09:35 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes: Black specks present in purge water.

Sample ID: GW070-212
Duplicate ID: GW070-612
COC#: COC-070-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106071 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW071-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	568.00 ft MRP
Previous Depth to Water (MRP):	**446.08**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	548.00 ft MRP
Length of Screen not submerged (ft):	**-101.92**			Bottom of Screen:	563.00 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 15:01

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 15:02 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106071 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW071-212

Date Sampled: 04/12/2021 **Time Sampled:** 10:23 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW071-212
Duplicate ID:
COC#: COC-071-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106072 ***Deployment***

Quarter: 2

Sample ID: GW072-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	500.00 ft MRP
Previous Depth to Water (MRP):	**444.25**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	475.00 ft MRP
Length of Screen not submerged (ft):	**-30.75**			Bottom of Screen:	495.00 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 15:17

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 15:16 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106072 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW072-212

Date Sampled: 04/12/2021 **Time Sampled:** 10:05 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW072-212
Duplicate ID:
COC#: COC-072-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106073**
Project No:	**6360401**	**Samplers:**	**D.Schmeelk, J.Messenger**
Date:	**04/15/2021**		

Well Information

Well was	Clean	Well Depth:	519.50 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	499.50 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	514.50 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 463.64 ft MRP Depth to Water (DTW): 463.18 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW073-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-073-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106073

Purge Information and Field Parameter

Date: 04/15/2021

Purge Start Time: 07:53 Purge Rate: 660 mL/min X 0.265 = 0.175 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)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**463.64**	**9.77**	**19.7**		**0.24**	**654**	**7.54**	**310.9**
08:05	463.19	4.76	15.3	14.6	1.41	549.9	7.5	399.8
08:10	463.19	3.98	15.5	8.6	0.81	548.6	7.56	384.8
08:15	463.18	3.99	15.6	7	0.68	551.8	7.55	375.3
08:20	463.18	4.06	15.8	6.2	0.61	547.6	7.55	368.4
08:25	463.17	8.79	16.1	5.7	0.56	554.4	7.56	359.2
08:30	463.16	4.32	16.2	5.4	0.51	552.8	7.59	351.9
08:35	463.16	3.72	16.4	5.2	0.51	552.6	7.57	343.9

Sample Time: 08:40 Sample Date: 04/15/2021

Purge End Time: 08:41

Bubbles in the vials?: Yes Where? EDB Amount: 1 Size: <1mm

Sampled by: J.Messenger Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.9	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106074**
Project No:	**6360401**	**Samplers:**	**D.Schmeelk, J.Messenger**
Date:	**04/15/2021**		

Well Information

Well was	Clean	Well Depth:	589.50 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	569.50 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	584.50 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 464.35 ft MRP Depth to Water (DTW): 463.86 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 571.5 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW074-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-074-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106074

Purge Information and Field Parameter

Date: 04/15/2021

Purge Start Time: 09:42 Purge Rate: 550 mL/min X 0.265 = 0.146 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 105.15 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**464.35**	**1.2**	**18**		**3.45**	**522.4**	**7.68**	**399.5**
09:50	463.87	3.28	16.8	76.6	7.36	317.2	7.9	372.6
09:55	463.87	2.56	17.4	59.1	5.61	320.4	7.89	369.1
10:00	463.87	2.23	17.6	45.2	4.31	321.3	7.85	367.3
10:05	463.87	1.59	17.7	40.1	3.78	321.4	7.81	365.9
10:10	463.87	1.59	18.1	35.4	3.34	321.5	7.81	362.6
10:15	463.87	1.38	18.4	32.8	3.08	321.6	7.82	359.6
10:20	463.86	1.3	18.6	31.1	2.92	321.8	7.79	357.8
10:25	463.84	1.37	18.6	30.2	2.84	321.7	7.76	356.7

Sample Time: 10:30 Sample Date: 04/15/2021

Purge End Time: 10:32

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.8	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106075

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

Date: 04/29/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification: Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 505.00 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 Well Locked/Security Bolt Present: Yes Well ID Marked: Yes

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 464 ft MRP Depth to Water (DTW): 464 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-752

Non-Dedicated Pump Depth 482 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW075-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-075-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106075

Purge Information and Field Parameter

Date: 04/29/2021

Purge Start Time: 12:42 Purge Rate: 720 mL/min X 0.265 = 0.191 gal/min

Description of first water purged: Clear and odorless

Drawdown Limit: 15.66 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**464.34**	**6.62**	**18.1**		**4.78**	**1062**	**7.43**	**287.8**
12:50	464	16	19	66	6	634	7	308
12:55	464	17	20	40	3	685	7	290
13:00	464	18	20	26	2	680	7	273
13:05	464	20	21	22	2	668	7	255
13:10	464	19	21	21	2	663	8	247
13:15	464	17	21	20	2	679	8	233

Sample Time: 13:32 Sample Date: 04/29/2021

Purge End Time: 13:43

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

Sampled by: D.Schmeelk Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	21.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106076

Project No: 6360401 **Samplers:** D. Schmeelk, S. Miles, S. Lauricella

Date: 04/23/2021

Well Information

Well was Intermediate | Well Depth: 505.00 ft MRP

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)** | Top of Screen: 480.00 ft MRP

Barricade/Notification: | Bottom of Screen: 500.00 ft MRP

Measurement Reference Point (MRP): TWV | Reference Elevation Interval: 4857

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

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

Photoionization Measurements at Wellhead: 0.1 ppm

LNAPL Present? No | LNAPL Thickness: ft | LNAPL observed during last gauging event: 1/18/2021

Previous Depth to water: 468.16 ft MRP | Depth to Water (DTW): 467.55 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-710

Non-Dedicated Pump Depth 482.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW076-212 | Sampling Method: Low-flow

Duplicate ID (if applicable): GW076-612 | Sampling Medium: Water

COC#: COC-076-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106076

Purge Information and Field Parameter

Date: 04/23/2021

Purge Start Time: 12:23 Purge Rate: 560 mL/min X 0.265 = 0.148 gal/min

Description of first water purged: Yellow tint. Strong hc odor

Drawdown Limit: 11.84 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**468.16**	**11.6**	**18.5**		**0.24**	**1042**	**6.72**	**-65.5**
12:30	467.57	4.58	17.1	21.3	1.96	379.9	7.00	-118.1
12:35	467.56	4.95	18.0	7.7	0.72	379.9	7.11	-179.8
12:41	467.57	1.07	18.2	5.6	0.52	379.4	7.12	-211.1
12:45	467.58	1.96	18.0	4.7	0.44	379.1	7.13	-223.4
12:50	467.56	2.26	17.8	4.0	0.37	379.0	7.12	-234.7
12:55	467.56	2.93	18.0	3.4	0.32	379.5	7.11	-244.3
13:00	467.56	3.29	18.7	2.9	0.27	381.1	7.17	-258.9
13:05	467.56	7.41	18.8	2.7	0.24	382.1	7.14	-263.1
13:10	467.54	7.09	19.5	2.4	0.22	384.0	7.16	-272.8
13:15	467.54	9.16	19.8	2.3	0.21	385.3	7.14	-278.1
13:20	467.54	12.0	19.7	2.3	0.21	386.5	7.12	-284.5
13:25	467.54	16.0	20.1	2.2	0.20	387.7	7.11	-243.2
13:33	467.53	17.1	20.2	4.7	0.40	389.2	7.08	-226.7
13:35	467.54	18.6	19.7	3.8	0.34	390.1	6.98	-236.0
13:40	467.54	21.8	19.8	3.4	0.31	390.8	6.94	-237.1

Sample Time: 13:45 Sample Date: 04/23/2021

Purge End Time: 13:54

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

Sampled by: DS Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	21.5	Pending Analysis Yard	White Pending Analysis

Comments: Light to moderate sheen on purge water at time of sample collection

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106077

Project No: 6360401 **Samplers:** JM & KC

Date: 04/14/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 524.00 ft MRP

Top of Screen: 504.00 ft MRP

Bottom of Screen: 519.00 ft MRP

Reference Elevation Interval: 4838

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.3 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 469.29 ft MRP Depth to Water (DTW): 469.15 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 506.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW077-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-077-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106077

Purge Information and Field Parameter

Date: 04/14/2021

Purge Start Time: 09:55 Purge Rate: 760 mL/min X 0.265 = 0.201 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 34.71 ft (based on previous water level)

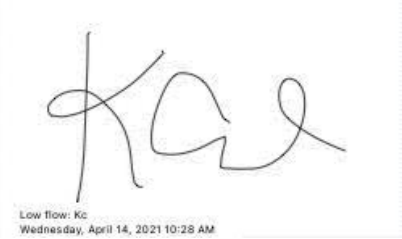
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**469.29**	**1.99**	**23.9**		**3.84**	**384.7**	**7.69**	**372.9**
10:00	469.15	2.67	17.4	36.7	3.50	352.4	7.85	345.2
10:05	469.15	2.09	17.9	34.0	3.23	353.1	7.80	344.0
10:10	469.14	2.09	18.2	32.5	3.07	352.6	7.76	343.1
10:15	469.14	1.62	18.6	31.8	2.97	353.3	7.73	341.6

Sample Time: 10:17 Sample Date: 04/14/2021

Purge End Time: 10:22

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	12.9	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106078**
Project No:	**6360401**	**Samplers:**	**JM + SM**
Date:	**04/19/2021**		

Well Information

Well was	Clean	Well Depth:	593.5 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	573.5 ft MRP
Barricade/Notification:		Bottom of Screen:	588.5 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 468.45 ft MRP Depth to Water (DTW): 468.37 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ____ ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW078-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-078-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106078

Purge Information and Field Parameter

Date: 04/19/2021

Purge Start Time: 09:46 Purge Rate: 680 mL/min X 0.265 = 0.180 gal/min

Description of first water purged: Clear and no odor

Drawdown Limit: 105.05 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**468.45**	**16.6**	**20.2**		**2.51**	**373.0**	**7.67**	**352.1**
09:52	468.37	1.58	18.4	93.7	8.77	388.1	7.47	159.2
09:57	468.37	2.31	18.5	90.8	8.49	387.6	7.38	165.7
10:02	468.37	15.6	18.8	88.6	8.24	387.7	7.37	170
10:07	468.36	7.32	19.2	86.1	7.94	387.6	7.36	173.9

Sample Time: 10:11 Sample Date: 04/19/2021

Purge End Time: 10:17

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

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	5.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106079

Project No: 6360401 **Samplers:** JM + AK

Date: 04/22/2021

Well Information

Well was: Hazardous

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Well Depth: 512.43 ft MRP

Top of Screen: 486.83 ft MRP

Bottom of Screen: 506.83 ft MRP

Reference Elevation Interval: 4857

IDW Label: Orange Hazardous

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

Photoionization Measurements at Wellhead: 0.1 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 473.68 ft MRP Depth to Water (DTW): 473 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 488.83 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW079-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-079-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106079

Purge Information and Field Parameter

Date: 04/22/2021

Purge Start Time: 12:58 Purge Rate: 680 mL/min X 0.265 = 0.180 gal/min

Description of first water purged: Clear, slight hydrocarbon odor

Drawdown Limit: 13.15 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**473.68**	**9.8**	**18.6**		**0.22**	**1204**	**6.88**	**-83.6**
13:00	472.95	11.1	19.6	53.0	4.84	1458	6.90	-18.7
13:05	472.95	12.9	19.5	45.3	4.14	1459	6.93	-42.5
13:10	472.94	11.9	19.4	44.4	4.07	1457	6.93	-46.3
13:15	472.94	12.0	19.3	41.9	3.84	1457	6.92	-47.9

Sample Time: 13:19 Sample Date: 04/22/2021

Purge End Time: 13:28

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	9.4	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106080

Project No: 6360401 **Samplers:** JM, SL, DS

Date: 04/27/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: 526.11 ft MRP

Top of Screen: 505.91 ft MRP

Bottom of Screen: 520.91 ft MRP

Reference Elevation Interval: 4838

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 472.25 ft MRP Depth to Water (DTW): 471.06 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-710

Non-Dedicated Pump Depth 507.91 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915790 WH0004
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW080-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-080-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106080

Purge Information and Field Parameter

Date: 04/27/2021

Purge Start Time: 13:29 Purge Rate: 880 mL/min X 0.265 = 0.233 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 34.00 ft (based on previous water level)

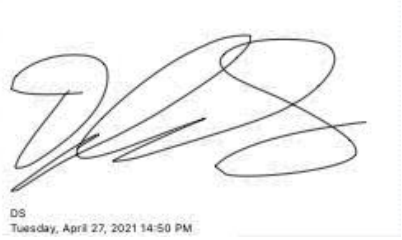
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:								
13:35	471.08	1.98	19.1	34.4	3.17	1235	6.8	47.1
13:40	471.09	2.19	19.2	16.8	1.55	1237	6.83	-22.1
13:45	471.09	1.34	19.1	11.2	1.02	1233	6.85	-40.1
13:50	471.09	1.61	19.1	8.2	0.75	1237	6.85	-47.8
13:55	471.09	1.15	19.1	6.3	0.58	1235	6.87	-54.8
14:00	471.09	1.26	19.3	5.2	0.47	1233	6.85	-58.8
14:05	471.09	1.43	19.2	4.6	0.43	1232	6.9	-60.6
14:10	471.09	2.02	19.1	4.1	0.38	1230	6.91	-63.2
14:15	471.09	1.59	19	3.6	0.33	1230	6.936	-65.5
14:20	471.09	1.16	19	3.2	0.29	1228	6.6	-67.9
14:25	471.09	1.64	19	2.9	0.27	1226	6.91	-70.8
14:30	471.09	0.78	19	2.7	0.24	1229	6.9	-71.4
14:35	471.09	1.33	19	2.5	0.23	1229	6.9	-72.1

Sample Time: 14:40 Sample Date: 04/27/2021

Purge End Time: 14:45

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

Sampled by: DS Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	22.7	Pending Analysis Yard	White Pending Analysis

Comments: Well did no stabalize

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106081**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/14/2021**		

Well Information

Well was	Clean	Well Depth:	597.8 ft MRP
SCREEN SUBMERGED on	**01/20/2021** **(previous gauging date)**	Top of Screen:	577.87 ft MRP
Barricade/Notification:		Bottom of Screen:	592.37 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 473.41 ft MRP Depth to Water (DTW): 472.76 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 580.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW081-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-081-212		

Reviewed By:  Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106081

Purge Information and Field Parameter

Date: 04/14/2021

Purge Start Time: 11:35 Purge Rate: 720 mL/min X 0.265 = 0.191 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 104.46 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**473.41**	**0.71**	**21.8**		**4.32**	**375.8**	**7.8**	**402.6**
11:40	473.81	4.4	19.6	61.8	5.25	354.0	7.77	331.9
11:45	473.77	4.4	19.7	50.2	4.73	354.6	7.72	333.3
11:50	473.77	2.18	19.7	46.9	4.33	355.0	7.65	333.7
11:55	473.77	2.47	19.6	45.0	4.12	355.0	7.59	334.9
12:00	473.77	2.90	20.0	43.1	3.97	355.2	7.63	329.9

Sample Time: 12:03 Sample Date: 04/14/2021

Purge End Time: 12:07

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106082

Project No: 6360401 **Samplers:** JM & KC

Date: 04/09/2021

Well Information

Well was	Clean	Well Depth:	497.30 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	472.00 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	492.00 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4857
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 459.62 ft MRP Depth to Water (DTW): 459.16 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW082-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-082-212		

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106082

Purge Information and Field Parameter

Date: 04/09/2021

Purge Start Time: 08:30 Purge Rate: 880 mL/min X 0.265 = 0.233 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 12.38 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**459.62**	**0.83**	**22.6**		**0.52**	**641**	**7.54**	**305.8**
08:35	459.17	1.52	16.9	8.9	0.85	575.2	7.53	418.5
08:40	459.17	1.83	17.3	6.1	0.59	575.6	7.57	399.5
08:45	459.17	1.75	17.6	5.2	0.50	576.0	7.59	380.2
08:50	459.17	1.08	17.8	4.9	0.46	575.3	7.59	365.4
08:55	459.17	1.51	17.8	4.7	0.45	574.8	7.57	350.7

Sample Time: 08:58 Sample Date: 04/09/2021

Purge End Time: 09:03

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

Sampled by: JW Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.2	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: System.Collections.Generic.Dictionary`2[System.String,System.Object]

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106083**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/09/2021**		

Well Information

Well was	Clean	Well Depth:	515.70 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	495.5 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	510.5 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 459.27 ft MRP Depth to Water (DTW): 458.88 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 497.50 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW083-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-083-212		

Reviewed By:  Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106083

Purge Information and Field Parameter

Date: 04/09/2021

Purge Start Time: 10:13 Purge Rate: 640 mL/min X 0.265 = 0.170 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 36.23 ft (based on previous water level)

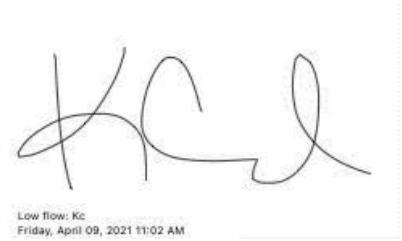
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**459.27**	**0.61**	**18.8**		**0.23**	**419.2**	**7.79**	**257.2**
10:18	458.84	1.09	19.8	88.8	8.12	488.2	7.79	338.4
10:23	458.84	1.49	20.0	13.1	1.20	377.3	7.72	329.4
10:28	458.84	0.90	20.0	9.6	0.89	377.0	7.77	324.3
10:33	458.84	0.93	20.2	7.8	0.71	376.8	7.73	318.5
10:38	458.83	0.96	20.3	6.6	0.55	376.8	7.75	309.6
10:43	458.84	0.64	20.4	5.8	0.52	376.7	7.76	299.6
10:43	458.84	0.66	20.4	5.3	0.50	376.4	7.74	292.9

Sample Time: 10:50 Sample Date: 04/09/2021

Purge End Time: 10:56

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

Sampled by: JW Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.8	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106084

Project No: 6360401 **Samplers:** JM & KC

Date: 04/09/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification: Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 589.42 ft MRP

Top of Screen: 569.62 ft MRP

Bottom of Screen: 584.62 ft MRP

Reference Elevation Interval: 4814

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 462.08 ft MRP Depth to Water (DTW): 461.63 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 572.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW084-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-084-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106084

Purge Information and Field Parameter

Date: 04/09/2021

Purge Start Time: 12:00 Purge Rate: 600 mL/min X 0.265 = 0.159 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 107.54 ft (based on previous water level)

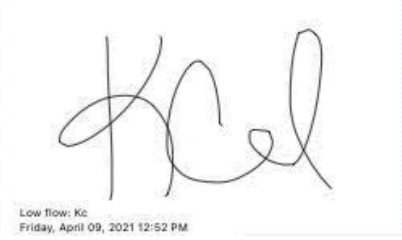
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**462.08**	**1.22**	**23.3**		**3.15**	**363.8**	**7.77**	**336.9**
12:14	461.62	1.8	21.0	51.3	4.56	324.6	7.94	307.7
12:19	461.62	1.85	21.0	49.4	4.28	324.7	7.72	304.3
12:24	461.62	1.38	20.8	43.7	3.88	324.9	7.72	299.8
12:29	461.62	1.22	20.6	40.8	3.67	324.9	7.73	295.5
12:34	461.62	1.14	20.7	39.5	3.55	325.2	7.73	290.2

Sample Time: 12:37 Sample Date: 04/09/2021

Purge End Time: 12:41

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

Sampled by: JW Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.0	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: System.Collections.Generic.Dictionary`2[System.String,System.Object]

Reviewed By: Initials: SL Review Date: 05/06/2021

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106085 ***Deployment***

Quarter: 2

Sample ID: GW085-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	481.50 ft MRP
Previous Depth to Water (MRP):	**442.08**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	446.50 ft MRP
Length of Screen not submerged (ft):	**-4.42**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	476.50 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 13:52

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 441.29

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 13:55 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106085 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW085-212

Date Sampled: 04/12/2021 **Time Sampled:** 08:45 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes: Blackspecks present in purge water.

Sample ID: GW085-212
Duplicate ID: GW085-612
COC#: COC-085-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021
Quarter: 2
Sample ID: GW086-212

Well Location ID: KAFB-106086 ***Deployment***

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	496.00 ft MRP
Previous Depth to Water (MRP):	**442.46**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	476.00 ft MRP
Length of Screen not submerged (ft):	**-33.54**			Bottom of Screen:	491.00 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 14:15

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 14:19 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106086 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW086-212

Date Sampled: 04/12/2021 **Time Sampled:** 08:25 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW086-212
Duplicate ID:
COC#: COC-086-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106087 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW087-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	565.50 ft MRP
Previous Depth to Water (MRP):	**441.69**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	546.00 ft MRP
Length of Screen not submerged (ft):	**-104.31**			Bottom of Screen:	561.00 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 13:28

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 14:31 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**546.70**
✓	**2**	**549.30**
✓	**3**	**551.90**
	4	**554.50**
	5	**557.10**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106087 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW087-212

Date Sampled: 04/12/2021 **Time Sampled:** 08:02 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW087-212
Duplicate ID:
COC#: COC-087-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106088 ***Deployment***

Quarter: 2

Sample ID: GW088-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	485.00 ft MRP
Previous Depth to Water (MRP):	**449.56**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	460.00 ft MRP
Length of Screen not submerged (ft):	**-10.44**			Bottom of Screen:	480.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 12:11

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 12:17 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106088 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW088-212

Date Sampled: 04/12/2021 **Time Sampled:** 11:00 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: Pending Analysis Yard

Notes:

Sample ID: GW088-212
Duplicate ID:
COC#: COC-088-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106089 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW089-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	501.56 ft MRP
Previous Depth to Water (MRP):	**449.39**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	481.56 ft MRP
Length of Screen not submerged (ft):	**-32.17**			Bottom of Screen:	496.56 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 11:56

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 11:56 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	Top of Sampler Depth (MRP)
✓	1	482.26
✓	2	484.86
✓	3	487.46
	4	490.06
	5	492.66

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106089 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW089-212

Date Sampled: 04/12/2021 **Time Sampled:** 11:20 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW089-212
Duplicate ID:
COC#: COC-089-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106090 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW090-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	575.08 ft MRP
Previous Depth to Water (MRP):	**448.26**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	555.08 ft MRP
Length of Screen not submerged (ft):	**-106.82**			Bottom of Screen:	570.08 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 11:41

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 11:55 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**555.78**
✓	**2**	**558.38**
✓	**3**	**560.98**
	4	**563.58**
	5	**566.18**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106090 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW090-212

Date Sampled: 04/12/2021 **Time Sampled:** 11:51 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW090-212
Duplicate ID:
COC#: COC-090-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106091 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW091-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth: 479.00	ft MRP
Previous Depth to Water (MRP):	**440.74**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 454.00	ft MRP
Length of Screen not submerged (ft):	**-13.26**			Bottom of Screen: 474.00	ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 09:10

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 09:10 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106091 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW091-612

Date Sampled: 04/07/2021 **Time Sampled:** 11:11 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW091-612
Duplicate ID: GW091-612
COC#: COC-091-612

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106092 ***Deployment***

Quarter: 2

Sample ID: GW092-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth: 493.70	ft MRP
Previous Depth to Water (MRP):	**441.12**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 474.00	ft MRP
Length of Screen not submerged (ft):	**-32.88**			Bottom of Screen: 489.00	ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 09:36

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 09:35 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106092 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW092-212

Date Sampled: 04/07/2021 **Time Sampled:** 12:05 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW092-212
Duplicate ID:
COC#: COC-092-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106093 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW093-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	563.20 ft MRP
Previous Depth to Water (MRP):	**440.54**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	544.00 ft MRP
Length of Screen not submerged (ft):	**-103.46**			Bottom of Screen:	559.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 08:28

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 08:28 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**544.70**
✓	**2**	**547.30**
✓	**3**	**549.90**
	4	**552.50**
	5	**555.10**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106093 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW093-212

Date Sampled: 04/07/2021 **Time Sampled:** 11:40 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW093-212
Duplicate ID:
COC#: COC-093-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106094

Project No: 6360401 **Samplers:** JM + AK

Date: 04/16/2021

Well Information

Well was: Intermediate

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TWV

IDW will be taken to: Pending Analysis Yard

Well Depth: 509.2 ft MRP

Top of Screen: 484.2 ft MRP

Bottom of Screen: 504.2 ft MRP

Reference Elevation Interval: 4857

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 469.12 ft MRP Depth to Water (DTW): 468.1 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: N/A

Non-Dedicated Pump Depth ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Intermediate - Solinst 500 ft - 350334 WH0566
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW094-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-094-212

Reviewed By: amanda m smith Initials: AMS Review Date: 06/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106094

Purge Information and Field Parameter

Date: 04/16/2021

Purge Start Time: 08:16 Purge Rate: 960 mL/min X 0.265 = 0.254 gal/min

Description of first water purged: Clear, no odor

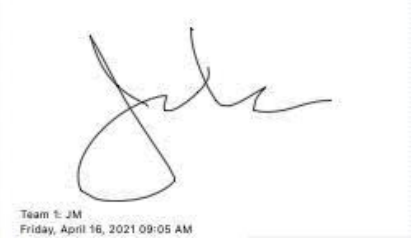
Drawdown Limit: 15.08 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	if > 10, ±10%	±10%	-------	±10%	±10%	±0.5	-------
Historical Data:	**469.12**	**2.23**	**18.9**		**0.21**	**856**	**7.33**	**-118.6**
08:20	468.1	3.51	17.7	66.4	6.31	714	7.57	397.2
08:25	468.09	19.2	18.1	8.3	0.78	668	7.53	218.2
08:30	468.09	21.2	18.4	5.5	0.54	591	7.47	223.5
08:35	468.09	6.65	18.4	4.1	0.38	587	7.47	213.5
08:40	468.09	4.84	18.4	3.5	0.33	585	7.47	193.3
08:45	468.09	4.1	18.4	2.9	0.27	585	7.47	168.2
08:50	468.09	3.7	18.5	2.6	0.25	588	7.46	146.2
08:55	468.09	4.85	18.4	2.7	0.25	591	7.45	121.3

Sample Time: 08:57 Sample Date: 04/16/2021

Purge End Time: 09:02

Bubbles in the vials?: Yes Where? EDB Amount: 1 Size: <1mm

Sampled by: JM Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	11.7	Pending Analysis Yard	White Pending Analysis

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106095

Project No: 6360401 **Samplers:** JM & KC

Date: 04/12/2021

Well Information

Well was Clean

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 523.85 ft MRP

Top of Screen: 503.85 ft MRP

Bottom of Screen: 518.85 ft MRP

Reference Elevation Interval: 4838

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 468.68 ft MRP Depth to Water (DTW): 467.1 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 506.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW095-212

Duplicate ID (if applicable):

COC#: COC-095-212

Sampling Method: Low-flow

Sampling Medium: Water

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106095

Purge Information and Field Parameter

Date: 04/12/2021

Purge Start Time: 13:04 Purge Rate: 560 mL/min X 0.265 = 0.148 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 35.17 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**468.68**	**2.27**	**23.7**		**0.22**	**624**	**7.37**	**356.4**
13:10	467.83	3.05	23.2	38.7	3.31	394.8	7.34	293.8
13:15	467.83	4.67	23.3	16.6	1.42	423.8	7.49	281.0
13:20	467.83	1.65	22.6	13.3	1.14	424.0	7.42	278.7
13:25	467.83	1.19	22.6	11.5	1.00	424.4	7.44	269.0
13:30	467.83	0.57	22.7	10.7	0.92	426.6	7.46	258.8
13:35	467.83	0.52	22.7	10.0	0.86	427.4	7.45	249.1
13:40	467.82	0.51	22.6	9.8	0.84	428.6	7.44	240.0

Sample Time: 13:05 Sample Date: 04/12/2021

Purge End Time: 13:52

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106096

Project No: 6360401 **Samplers:** JM & KC

Date: 04/12/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

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: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.1 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 469.27 ft MRP Depth to Water (DTW): 468.40 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW096-612 Sampling Method: Low-flow

Duplicate ID (if applicable): GW096-612 Sampling Medium: Water

COC#: COC-096-612

Reviewed By: Dylan Schmeelk Initials: DS Review Date: 5-20-2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106096

Purge Information and Field Parameter

Date: 04/12/2021

Purge Start Time: 14:51 Purge Rate: 560 mL/min X 0.265 = 0.148 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 107.18 ft (based on previous water level)

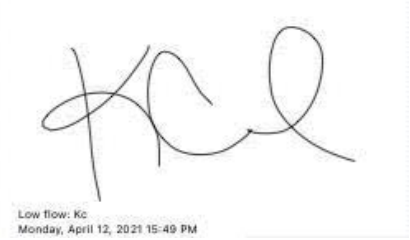
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**469.27**	**5.23**	**21.7**		**2.63**	**352.4**	**7.67**	**397.2**
15:00	468.39	13.0	22.1	47.6	4.12	348.6	7.40	308.7
15:05	468.39	9.24	21.9	35.7	3.11	349.3	7.49	288.9
15:10	468.39	7.22	21.8	31	2.73	349.6	7.53	271.2
15:15	468.39	6.30	21.7	29.6	2.60	349.7	7.54	263.8
15:20	468.39	5.10	21.7	28.6	2.51	349.9	7.57	253.9

Sample Time: 15:22 Sample Date: 04/12/2021

Purge End Time: 15:30

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	13.3	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: Active parking lot with multiple vehicles driving past throughout deployment and sampling. Exclusion area set up approx 10 ft around well.

Reviewed By: Dylan Schmeelk Initials: DS Review Date: 5-20-2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106097

Project No: 6360401 **Samplers:** JM & KC

Date: 04/07/2021

Well Information

Well was	Clean	Well Depth:	526.04 ft MRP
SCREEN SUBMERGED on	**01/18/2021 (previous gauging date)**	Top of Screen:	506.04 ft MRP
Barricade/Notification:	Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211	Bottom of Screen:	521.04 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4838
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 471.15 ft MRP Depth to Water (DTW): 470.84 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW097-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-097-212		

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106097

Purge Information and Field Parameter

Date: 04/07/2021

Purge Start Time: 08:22 Purge Rate: 760 mL/min X 0.265 = 0.201 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 34.89 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**471.15**	**0.92**	**19.7**	**28.1%**	**28.1%**	**442.5**	**7.8**	**419**
08:27	470.84	0.51	16.7	82.3	7.78	470.1	7.86	424.4
08:32	470.83	1.17	17.3	44.6	4.20	477.7	7.85	416.6
08:37	470.83	0.35	17.8	32.7	3.13	477.7	7.84	407.1
08:42	470.83	0.38	17.9	31.0	2.93	477.1	7.84	402.4
08:47	470.83	0.27	17.8	29.5	2.84	469.8	7.80	396.5

Sample Time: 08:22 Sample Date: 04/07/2021

Purge End Time: 08:55

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

Sampled by: JW Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	9.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106098

Project No: 6360401 **Samplers:** JM & KC

Date: 04/06/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification: Call VA Police - Michael Vorhe 609-7450 or 265-1711 ext:4211

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 551.12 ft MRP

Top of Screen: 531.02 ft MRP

Bottom of Screen: 546.02 ft MRP

Reference Elevation Interval: 4814

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 471.26 ft MRP Depth to Water (DTW): 470.55 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 533.00 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW098-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-098-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106098

Purge Information and Field Parameter

Date: 04/06/2021

Purge Start Time: 10:55 Purge Rate: 660 mL/min X 0.265 = 0.175 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 59.76 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**471.26**	**0.62**	**19.3**	**31.1%**	**31.1%**	**490.2**	**7.83**	**441.9**
10:50	470.55	9.26	19.0	91.2	8.45	387.5	7.89	319.1
10:55	470.55	0.58	19.1	55.1	5.15	401.4	7.89	314.0
11:00	470.55	0.67	19.1	41.7	3.85	406.1	7.90	306.0
11:05	470.55	0.31	19.1	36.7	3.57	406.8	7.87	299.1
11:10	470.55	0.38	19.2	34.0	3.36	406.0	7.89	292.6

Sample Time: 11:22 Sample Date: 04/06/2021

Purge End Time: 11:19

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

Sampled by: JW Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	7.2	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: System.Collections.Generic.Dictionary`2[System.String,System.Object]

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106099

Project No: 6360401 **Samplers:** JM & KC

Date: 04/08/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification: Barricades by EA - VA lot

Measurement Reference Point (MRP): TWV

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 521.00 ft MRP

Top of Screen: 501.00 ft MRP

Bottom of Screen: 516.00 ft MRP

Reference Elevation Interval: 4838

IDW Label: Green Non-Hazardous

Protective Casing/Vault: Intact

Well Locked/Security Bolt Present: Yes

Well ID Marked: Yes

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No

LNAPL Thickness: ft

LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 465.69 ft MRP

Depth to Water (DTW): 465.27 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW099-212

Duplicate ID (if applicable):

COC#: COC-099-212

Sampling Method: Low-flow

Sampling Medium: Water

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106099

Purge Information and Field Parameter

Date: 04/08/2021

Purge Start Time: 10:26 Purge Rate: 880 mL/min X 0.265 = 0.233 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 35.31 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**465.69**	**0.49**	**18.5**	**57.4%**	**57.4%**	**442.8**	**7.83**	**403.8**
10:30	465.27	13.8	18.0	69.6	6.52	408.6	7.85	347.1
10:35	465.27	1.25	18.4	62.6	5.77	408.6	7.85	344.0
10:40	465.26	0.89	18.5	57.0	5.37	408.4	7.83	342.8
10:45	465.26	6.28	18.6	59.2	5.48	409.1	7.83	340.9

Sample Time: 10:49 Sample Date: 04/08/2021

Purge End Time: 10:58

Bubbles in the vials?: Yes Where? EDB Amount: 2, 1 per bottle Size: 1mm & 0.5mm

Sampled by: JW Sampler Signature: Low flow: Kc Thursday, April 08, 2021 11:00 AM

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	10.5	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106100**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/08/2021**		

Well Information

Well was	Clean	Well Depth:	546.00 ft MRP
SCREEN SUBMERGED on	**01/18/2021** **(previous gauging date)**	Top of Screen:	526.00 ft MRP
Barricade/Notification:	Barricades by EA - VA lot	Bottom of Screen:	541.00 ft MRP
Measurement Reference Point (MRP):	TWV	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: _____ ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 465.7 ft MRP Depth to Water (DTW): 465.34 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 528.00 ft MRP

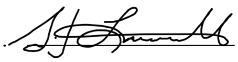
* - if screen is submerged, place pump 2 ft below top of screen; if not submerged, place pump 2 ft above bottom of screen.

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW100-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-100-212		

Reviewed By:  Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106100

Purge Information and Field Parameter

Date: 04/08/2021

Purge Start Time: 08:33 Purge Rate: 880 mL/min X 0.265 = 0.233 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 60.30 ft (based on previous water level)

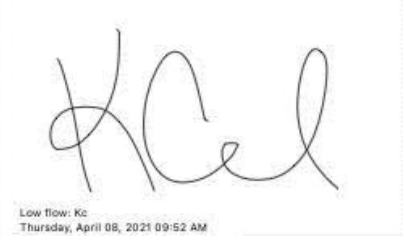
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**465.7**	**6.26**	**20.7**	**25%**	**25%**	**369.6**	**7.81**	**310.1**
08:38	465.32	2.97	16.7	68.6	6.31	336.7	7.99	410.7
08:43	465.32	1.06	17.6	30.6	2.90	344.2	7.93	400.9
08:48	465.31	1.05	17.9	27.3	2.56	344.5	7.92	394.9
08:53	465.30	1.08	18.0	26.6	2.51	344.5	7.90	389.4
08:58	465.30	0.65	18.1	26.2	2.49	345.0	7.87	384.5

Sample Time: 09:00 Sample Date: 04/08/2021

Purge End Time: 09:05

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

Sampled by: JW Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	10.5	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106101

Project No: 6360401 **Samplers:** JM & KC

Date: 04/05/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/20/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 518.01 ft MRP

Top of Screen: 498.81 ft MRP

Bottom of Screen: 514.11 ft MRP

Reference Elevation Interval: 4838

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.8 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 463.3 ft MRP Depth to Water (DTW): 462.43 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 501.00 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 - 17H105740
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW101-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-101-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106101

Purge Information and Field Parameter

Date: 04/05/2021

Purge Start Time: 15:11 Purge Rate: 840 mL/min X 0.265 = 0.223 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 35.51 ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**463.3**	**1.29**	**20.4**	**94.8%**	**94.8%**	**794**	**7.67**	**340.6**
16:20	462.44	1.60	19.2	97.4	8.98	900	7.67	248.9
16:25	462.44	1.01	19.2	97.3	8.97	900	7.67	259.5
16:30	462.44	1.20	19.3	95.1	8.74	900	7.67	263.5

Sample Time: 16:32 Sample Date: 04/05/2021

Purge End Time: 16:39

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

Sampled by: JW Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	22.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments: Dissolved oxygen took approximately 1 hour to drop below 100% before readings could be collected for stabalization

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106102**
Project No:	**6360401**	**Samplers:**	**JM & KC**
Date:	**04/05/2021**		

Well Information

Well was	Clean	Well Depth:	543.08 ft MRP
SCREEN SUBMERGED on	**01/20/2021 (previous gauging date)**	Top of Screen:	523.98 ft MRP
Barricade/Notification:		Bottom of Screen:	537.68 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4814
IDW will be taken to:	GWTS/Pending Disposal Area	IDW Label:	Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/20/2021

Previous Depth to water: 463.42 ft MRP Depth to Water (DTW): 462.62 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 525.50 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GW102-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-102-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106102

Purge Information and Field Parameter

Date: 04/05/2021

Purge Start Time: 13:25 Purge Rate: 850 mL/min X 0.265 = 0.225 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 60.56 ft (based on previous water level)

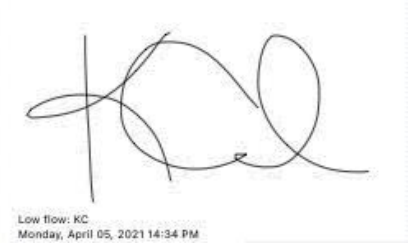
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	**-------**	**if > 10, ±10%**	**±10%**	**-------**	**±10%**	**±10%**	**±0.5**	**-------**
Historical Data:	**463.42**	**0.66**	**18.3**	**32.7%**	**32.7%**	**389**	**7.92**	**387.5**
13:30	462.63	0.66	20.04	61.6	5.45	298.9	7.78	267.4
13:35	462.63	0.72	19.9	45.9	4.13	299.3	7.79	253.8
13:40	462.63	0.33	19.8	40.5	3.67	299.37	7.81	239.7
13:45	462.63	0.33	19.7	38.3	3.54	299.7	7.81	225.9
13:50	462.63	0.47	19.7	37.1	3.41	300.3	7.83	212.7

Sample Time: 13:52 Sample Date: 04/05/2021

Purge End Time: 13:59

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	10.7	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: amanda m smith Initials: AMS Review Date: 06/07/2021

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106103 ***Deployment***

Quarter: 2

Sample ID: GW103-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	505.26 ft MRP
Previous Depth to Water (MRP):	**454.45**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	485.06 ft MRP
Length of Screen not submerged (ft):	**-30.61**			Bottom of Screen:	500.06 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 10:55

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 10:55 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**485.76**
✓	**2**	**488.36**
✓	**3**	**490.96**
	4	**493.56**
	5	**496.16**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106103 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW103-212

Date Sampled: 04/09/2021 **Time Sampled:** 11:30 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW103-212
Duplicate ID:
COC#: COC-103-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106104 ***Deployment***

Quarter: 2

Sample ID: GW104-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	530.05 ft MRP
Previous Depth to Water (MRP):	**453.90**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	510.05 ft MRP
Length of Screen not submerged (ft):	**-56.15**			Bottom of Screen:	525.05 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 11:05

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 11:06 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: _____ **Reviewed Date:** _____

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106104 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW104-212

Date Sampled: 04/09/2021 **Time Sampled:** 11:11 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW104-212
Duplicate ID:
COC#: COC-104-212

Reveiwed By: **Reviewed Date:**

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106105 ***Deployment***

Quarter: 2

Sample ID: GW105-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	504.00 ft MRP
Previous Depth to Water (MRP):	**447.73**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	484.00 ft MRP
Length of Screen not submerged (ft):	**-36.27**			Bottom of Screen:	499.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 07:59

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 08:02 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: _____ **Reviewed Date:** _____

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106105 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW105-212

Date Sampled: 04/07/2021 **Time Sampled:** 09:35 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW105-212
Duplicate ID:
COC#: COC-105-212

Reveiwed By: **Reviewed Date:**

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106106 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW106-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	488.60 ft MRP
Previous Depth to Water (MRP):	**447.62**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	453.60 ft MRP
Length of Screen not submerged (ft):	**-5.98**			Bottom of Screen:	483.60 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 08:16

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 08:16 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106106 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW106-612

Date Sampled: 04/07/2021 **Time Sampled:** 10:00 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW106-612
Duplicate ID: GW106-612
COC#: COC-106-612

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106107 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW107-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	530.20 ft MRP
Previous Depth to Water (MRP):	**447.83**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	510.20 ft MRP
Length of Screen not submerged (ft):	**-62.37**			Bottom of Screen:	525.20 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 08:33

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 08:33 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106107 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW107-212

Date Sampled: 04/07/2021 **Time Sampled:** 10:30 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW107-212
Duplicate ID:
COC#: COC-107-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106149-484 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW149-484-212

Well Information					
Screen Interval Length (ft):	**130**			Well Depth:	483.84 ft MRP
Previous Depth to Water (MRP):	**469.89**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	354.00 ft MRP
Length of Screen not submerged (ft):	**115.89**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	484.00 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/19/2021 **Time Deployed:** 11:23

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.0 **ppm**

Depth to Water: 469.36

DMS Tether and Reel ID match Well ID? DS

Notes: Measured depth to top of sampler position #20 is 477.18 ft (BGS MRP) after lowering tether 3.0 ft. Sampler positions deployed based on this measurement. Measured depth to top of sampler position #18 is 471.98 ft (BGS MRP) after lowering tether 3.0 ft. Re



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106149-484 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW149-484-212

Date Sampled: 04/16/2021 **Time Sampled:** 12:47 **Sampling Team:** D.Schmeelk, R.Wittler, S.Miles

PID Reading: 0.3 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** SM

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GW149-484-212
Duplicate ID:
COC#: COC-149-484-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106151-484 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW151-484-212

Well Information					
Screen Interval Length (ft):	**129**			Well Depth:	484.19 ft MRP
Previous Depth to Water (MRP):	**469.78**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	355.19 ft MRP
Length of Screen not submerged (ft):	**114.59**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	484.19 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/19/2021 **Time Deployed:** 13:52

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.0 **ppm**

Depth to Water: 469.25

DMS Tether and Reel ID match Well ID? KC

Notes: Measured depth to top of sampler position #17 is 469.90 ft (BGS MRP). Sampler positions deployed based on this measurement, with samplers deployed a full space below water level to ensure submersion. 2 of 3 weights removed to increase bottom clearance.



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106151-484 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW151-484-212

Date Sampled: 04/14/2021 **Time Sampled:** 12:02 **Sampling Team:** D.Schmeelk, R.Wittler, S.Miles

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GW151-484-212
Duplicate ID:
COC#: COC-151-484-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106152-484 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW152-484-212

Well Information					
Screen Interval Length (ft):	**129**			Well Depth:	484.28 ft MRP
Previous Depth to Water (MRP):	**471.63**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	355.28 ft MRP
Length of Screen not submerged (ft):	**116.35**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	484.28 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/19/2021 **Time Deployed:** 12:46

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.0 **ppm**

Depth to Water: 471.09

DMS Tether and Reel ID match Well ID? KC

Notes: Measured depth to top of sampler position #20 is 480.00 ft (BGS MRP) after lowering tether 2.73 ft. Sampler positions deployed based on this measurement. Measured depth to top of sampler position #18 is 474.80 ft (BGS MRP) after lowering tether 2.73 ft. R



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106152-484 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW152-484-212

Date Sampled: 04/14/2021 **Time Sampled:** 10:42 **Sampling Team:** D.Schmeelk, R.Wittler, S.Miles

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GW152-484-212
Duplicate ID:
COC#: COC-152-484-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106153-484 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW153-484-212

Well Information					
Screen Interval Length (ft):	**129**			Well Depth:	484.29 ft MRP
Previous Depth to Water (MRP):	**473.01**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	355.29 ft MRP
Length of Screen not submerged (ft):	**117.72**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	484.29 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/10/2021 **Time Deployed:** 13:11

PID: MiniRAE 3000 - 592-915790 WH0005

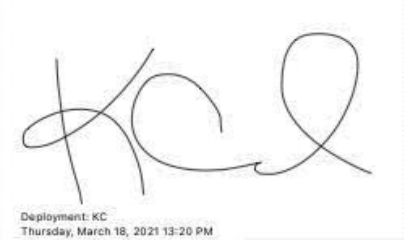
Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.0 **ppm**

Depth to Water: 472.36

DMS Tether and Reel ID match Well ID? DS

Notes: Measured depth to top of sampler position #20 is 477.64 ft (BGS MRP) after lowering tether 1.6 ft. Sampler positions deployed based on this measurement. Measured depth to top of sampler position #18 is 472.44 ft (BGS MRP) after lowering tether 1.6 ft. Rem



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106153-484 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW153-484-212

Date Sampled: 04/26/2021 **Time Sampled:** 08:51 **Sampling Team:** D.Schmeelk, S.Miles

PID Reading: 22.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

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

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes: Used engineering controls to mitigate well fumes

Sample ID: GW153-484-212
Duplicate ID:
COC#: COC-153-484-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106201 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW201-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	524.65 ft MRP
Previous Depth to Water (MRP):	**488.10**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	489.65 ft MRP
Length of Screen not submerged (ft):	**-1.55**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	519.65 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 08:35

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 482.72

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:00 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: amanda m smith **Reviewed Date:** 5/20/2021

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106201 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW201-212

Date Sampled: 04/01/2021 **Time Sampled:** 08:30 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW201-212
Duplicate ID:
COC#: COC-201-212

Reveiwed By: amanda m smith **Reviewed Date:** 5/20/2021

Passive Diffusion Water Sampling Data Sheet

Year: 2021
Quarter: 2
Sample ID: GW202-212

Well Location ID: KAFB-106202 ***Deployment***

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	539.90 ft MRP
Previous Depth to Water (MRP):	**488.84**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	519.90 ft MRP
Length of Screen not submerged (ft):	**-31.06**			Bottom of Screen:	534.90 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 08:52

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:01 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106202 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW202-212

Date Sampled: 04/01/2021 **Time Sampled:** 09:00 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW202-212
Duplicate ID:
COC#: COC-202-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106203 ***Deployment***

Quarter: 2

Sample ID: GW203-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	643.08 ft MRP
Previous Depth to Water (MRP):	**488.96**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	623.08 ft MRP
Length of Screen not submerged (ft):	**-134.12**			Bottom of Screen:	638.08 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 09:04

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:02 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106203 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW203-212

Date Sampled: 04/01/2021 **Time Sampled:** 09:20 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW203-212
Duplicate ID:
COC#: COC-203-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106204 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW204-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	497.50 ft MRP
Previous Depth to Water (MRP):	**459.94**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	462.50 ft MRP
Length of Screen not submerged (ft):	**-2.56**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	492.50 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 13:29

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 457.49

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:18 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106204 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW204-212

Date Sampled: 04/02/2021 **Time Sampled:** 13:20 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW204-212
Duplicate ID:
COC#: COC-204-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106205 ***Deployment***

Quarter: 2

Sample ID: GW205-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	512.50 ft MRP
Previous Depth to Water (MRP):	**460.39**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	492.50 ft MRP
Length of Screen not submerged (ft):	**-32.11**			Bottom of Screen:	507.50 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 13:07

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:16 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**493.20**
✓	**2**	**495.80**
✓	**3**	**498.40**
	4	**501.00**
	5	**503.60**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106205 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW205-212

Date Sampled: 04/02/2021 **Time Sampled:** 12:50 **Sampling Team:** D.Schmeelk, R.Wittler

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

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW205-212
Duplicate ID:
COC#: COC-205-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106206 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW206-212

Well Information					
Screen Interval Length (ft):	**14.7**			Well Depth:	613.20 ft MRP
Previous Depth to Water (MRP):	**460.55**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	593.50 ft MRP
Length of Screen not submerged (ft):	**-132.95**			Bottom of Screen:	608.20 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 12:47

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:15 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106206 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW206-212

Date Sampled: 04/02/2021 **Time Sampled:** 12:22 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW206-212
Duplicate ID:
COC#: COC-206-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106207 ***Deployment***

Quarter: 2

Sample ID: GW207-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	507.94 ft MRP
Previous Depth to Water (MRP):	**472.86**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	473.00 ft MRP
Length of Screen not submerged (ft):	**-0.14**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	503.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 11:58

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 469.29

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:12 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
MS/MSD sample required; please deploy extra samplers	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106207 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW207-212

Date Sampled: 03/31/2021 **Time Sampled:** 12:00 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** RW

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW207-212
Duplicate ID:
COC#: COC-207-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106208 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW208-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	522.98 ft MRP
Previous Depth to Water (MRP):	**472.56**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	503.00 ft MRP
Length of Screen not submerged (ft):	**-30.44**			Bottom of Screen:	518.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 11:32

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:10 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106208 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW208-212

Date Sampled: 04/01/2021 **Time Sampled:** 12:40 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW208-212
Duplicate ID: GW208-612
COC#: COC-208-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106209 ***Deployment***

Quarter: 2

Sample ID: GW209-212

Well Information					
Screen Interval Length (ft):	**14**			Well Depth: 621.96	ft MRP
Previous Depth to Water (MRP):	**471.87**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 603.00	ft MRP
Length of Screen not submerged (ft):	**-131.13**			Bottom of Screen: 617.00	ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 12:14

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:13 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**603.70**
✓	**2**	**606.30**
✓	**3**	**608.90**
	4	**611.50**
	5	**614.10**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106209 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW209-212

Date Sampled: 04/01/2021 **Time Sampled:** 13:12 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW209-212
Duplicate ID:
COC#: COC-209-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106212 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW212-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	563.39 ft MRP
Previous Depth to Water (MRP):	**448.59**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	543.23 ft MRP
Length of Screen not submerged (ft):	**-94.64**			Bottom of Screen:	558.23 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 09:19

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Wednesday, March 17, 2021 09:23 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106212 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW212-212

Date Sampled: 04/09/2021 **Time Sampled:** 08:00 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW212-212
Duplicate ID:
COC#: COC-212-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106213 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW213-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	483.31 ft MRP
Previous Depth to Water (MRP):	**451.44**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	448.00 ft MRP
Length of Screen not submerged (ft):	**3.44**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	478.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 14:45

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 449.74

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 14:49 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106213 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW213-212

Date Sampled: 04/09/2021 **Time Sampled:** 10:22 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes: Top sampler was not submerged, evident by underfilled bag and dry screen. Took sample using only submerged samplers.

Sample ID: GW213-212
Duplicate ID:
COC#: COC-213-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106214 ***Deployment***

Quarter: 2

Sample ID: GW214-212

Well Information					
Screen Interval Length (ft):	**14.5**			Well Depth:	498.15 ft MRP
Previous Depth to Water (MRP):	**451.58**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	478.25 ft MRP
Length of Screen not submerged (ft):	**-26.67**			Bottom of Screen:	492.75 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 14:30

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 14:28 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106214 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW214-212

Date Sampled: 04/09/2021 **Time Sampled:** 10:02 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW214-212
Duplicate ID:
COC#: COC-214-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106215 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW215-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	567.00 ft MRP
Previous Depth to Water (MRP):	**451.83**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	547.00 ft MRP
Length of Screen not submerged (ft):	**-95.17**			Bottom of Screen:	562.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2025 **Time Deployed:** 14:18

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Tuesday, March 16, 2021 14:18 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**547.70**
✓	**2**	**550.30**
✓	**3**	**552.90**
	4	**555.50**
	5	**558.10**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106215 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW215-212

Date Sampled: 04/09/2021 **Time Sampled:** 09:42 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW215-212
Duplicate ID:
COC#: COC-215-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106216 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW216-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	490.50 ft MRP
Previous Depth to Water (MRP):	**460.53**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	455.50 ft MRP
Length of Screen not submerged (ft):	**5.03**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	485.50 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 08:38

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 458.76

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed bags a full space below water level to ensure submersion



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
MS/MSD sample required; please deploy extra samplers	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106216 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW216-212

Date Sampled: 04/02/2021 **Time Sampled:** 08:55 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW216-212
Duplicate ID:
COC#: COC-216-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106217 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW217-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	505.00 ft MRP
Previous Depth to Water (MRP):	**460.45**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	485.00 ft MRP
Length of Screen not submerged (ft):	**-24.55**			Bottom of Screen:	500.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 08:05

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 08:07 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106217 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW217-212

Date Sampled: 04/02/2021 **Time Sampled:** 08:30 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW217-212
Duplicate ID:
COC#: COC-217-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106218 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW218-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	572.45 ft MRP
Previous Depth to Water (MRP):	**460.61**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	552.00 ft MRP
Length of Screen not submerged (ft):	**-91.39**			Bottom of Screen:	567.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 07:51

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 07:49 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106218 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW218-212

Date Sampled: 04/02/2021 **Time Sampled:** 08:10 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW218-212
Duplicate ID:
COC#: COC-218-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106219 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW219-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	497.90 ft MRP
Previous Depth to Water (MRP):	**467.59**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	462.70 ft MRP
Length of Screen not submerged (ft):	**4.89**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	492.70 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 10:56

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 465.36

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:08 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106219 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW219-212

Date Sampled: 04/01/2021 **Time Sampled:** 10:40 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Sample ID: GW219-212

Notes: Screen on Top sampler did not appear to be submerged, therefore sample was taken from second and third Sampler.

Duplicate ID:

COC#: COC-219-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106220 ***Deployment***

Quarter: 2

Sample ID: GW220-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth: 513.00	ft MRP
Previous Depth to Water (MRP):	**467.50**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 493.00	ft MRP
Length of Screen not submerged (ft):	**-25.5**			Bottom of Screen: 508.00	ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 10:36

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:05 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106220 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW220-212

Date Sampled: 04/01/2021 **Time Sampled:** 10:15 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW220-212
Duplicate ID:
COC#: COC-220-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021
Quarter: 2
Sample ID: GW221-212

Well Location ID: KAFB-106221 ***Deployment***

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	581.00 ft MRP
Previous Depth to Water (MRP):	**467.25**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	561.00 ft MRP
Length of Screen not submerged (ft):	**-93.75**			Bottom of Screen:	576.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 10:19

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:04 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106221 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW221-212

Date Sampled: 04/01/2021 **Time Sampled:** 11:10 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes: Microbubbles present in water, causing approximately 1 mm bubble in each EDB VOA

Sample ID: GW221-212
Duplicate ID:
COC#: COC-221-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106222 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW222-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	493.20 ft MRP
Previous Depth to Water (MRP):	**460.38**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	457.80 ft MRP
Length of Screen not submerged (ft):	**2.58**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	487.80 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 09:48

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 458.21

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed bags a full space below water level to ensure submersion

DS
Friday, March 12, 2021 09:47 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106222 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW222-212

Date Sampled: 04/02/2021 **Time Sampled:** 10:26 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW222-212
Duplicate ID:
COC#: COC-222-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106223 ***Deployment***

Quarter: 2

Sample ID: GW223-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	508.00 ft MRP
Previous Depth to Water (MRP):	**461.01**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	487.80 ft MRP
Length of Screen not submerged (ft):	**-26.79**			Bottom of Screen:	502.80 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/10/2021 **Time Deployed:** 09:27

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 09:26 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**488.50**
✓	**2**	**491.10**
✓	**3**	**493.70**
	4	**496.30**
	5	**498.90**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106223 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW223-212

Date Sampled: 04/02/2021 **Time Sampled:** 10:00 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW223-212
Duplicate ID:
COC#: COC-223-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106224 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW224-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	575.50 ft MRP
Previous Depth to Water (MRP):	**462.06**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	555.00 ft MRP
Length of Screen not submerged (ft):	**-92.94**			Bottom of Screen:	570.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 09:06

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 09:09 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	Sampler Number:	**Top of Sampler Depth (MRP)**
✓	**1**	**555.70**
✓	**2**	**558.30**
✓	**3**	**560.90**
	4	**563.50**
	5	**566.10**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106224 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW224-212

Date Sampled: 04/02/2021 **Time Sampled:** 09:40 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW224-212
Duplicate ID:
COC#: COC-224-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106225 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW225-212

Well Information					
Screen Interval Length (ft):	**30**			Well Depth:	485.20 ft MRP
Previous Depth to Water (MRP):	**453.25**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	450.00 ft MRP
Length of Screen not submerged (ft):	**3.25**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	480.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 11:21

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 451.46

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 11:20 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106225 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW225-212

Date Sampled: 04/05/2021 **Time Sampled:** 09:55 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW225-212
Duplicate ID: GW225-612
COC#: COC-225-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106226 ***Deployment***

Quarter: 2

Sample ID: GW226-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	500.00 ft MRP
Previous Depth to Water (MRP):	**453.83**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	480.00 ft MRP
Length of Screen not submerged (ft):	**-26.17**			Bottom of Screen:	495.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 10:32

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 10:33 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106226 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW226-212

Date Sampled: 04/05/2021 **Time Sampled:** 10:33 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW226-212
Duplicate ID:
COC#: COC-226-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106227 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW227-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	568.50 ft MRP
Previous Depth to Water (MRP):	**454.53**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	548.00 ft MRP
Length of Screen not submerged (ft):	**-93.47**			Bottom of Screen:	563.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 10:16

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 10:20 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106227 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW227-212

Date Sampled: 04/05/2021 **Time Sampled:** 10:55 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW227-212
Duplicate ID:
COC#: COC-227-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106229 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW229-212

Well Information					
Screen Interval Length (ft):	**100**			Well Depth:	536.00 ft MRP
Previous Depth to Water (MRP):	**440.89**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	431.00 ft MRP
Length of Screen not submerged (ft):	**9.89**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	531.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/16/2021 **Time Deployed:** 10:01

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 439.44

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed bags a full space below water level to ensure submersion

DS
Tuesday, March 16, 2021 10:31 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- EDB

	Sampler Number:	Top of Sampler Depth (MRP)
	1	431.70
	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
	15	468.10

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106229 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW229-212

Date Sampled: 04/07/2021 **Time Sampled:** 12:25 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW229-212
Duplicate ID:
COC#: COC-229-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106230 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW230-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	521.00 ft MRP
Previous Depth to Water (MRP):	**451.00**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	501.00 ft MRP
Length of Screen not submerged (ft):	**-50**			Bottom of Screen:	516.00 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/11/2021 **Time Deployed:** 13:58

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Friday, March 12, 2021 13:19 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106230 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW230-212

Date Sampled: 04/02/2021 **Time Sampled:** 11:03 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW230-212
Duplicate ID:
COC#: COC-230-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106231 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW231-212

Well Information					
Screen Interval Length (ft):	**35**			Well Depth:	480.00 ft MRP
Previous Depth to Water (MRP):	**454.19**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	440.00 ft MRP
Length of Screen not submerged (ft):	**14.19**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	475.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 11:58

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 452.10

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Monday, March 15, 2021 11:57 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106231 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW231-212

Date Sampled: 04/06/2021 **Time Sampled:** 13:02 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW231-212
Duplicate ID:
COC#: COC-231-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106232 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW232-212

Well Information					
Screen Interval Length (ft):	**15**			Well Depth:	523.00 ft MRP
Previous Depth to Water (MRP):	**453.73**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	503.00 ft MRP
Length of Screen not submerged (ft):	**-49.27**			Bottom of Screen:	518.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 11:40

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

RW
Monday, March 15, 2021 11:41 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106232 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW232-212

Date Sampled: 04/06/2021 **Time Sampled:** 12:40 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW232-212
Duplicate ID:
COC#: COC-232-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106235-438 ***Deployment***

Quarter: 2

Sample ID: GW235-438-212

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	464.96 ft MRP
Previous Depth to Water (MRP):	**441.54**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	438.00 ft MRP
Length of Screen not submerged (ft):	**3.54**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	463.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 12:42

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 440.33

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Monday, March 15, 2021 13:43 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-438 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW235-438-212

Date Sampled: 04/06/2021 **Time Sampled:** 08:30 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW235-438-212
Duplicate ID:
COC#: COC-235-438-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106235-472 ***Deployment***

Quarter: 2

Sample ID: GW235-472-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	493.96 ft MRP
Previous Depth to Water (MRP):	**441.52**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	472.00 ft MRP
Length of Screen not submerged (ft):	**-30.48**			Bottom of Screen:	492.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 14:03

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 14:04 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
MS/MSD sample required; please deploy extra samplers	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-472 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW235-472-212

Date Sampled: 04/06/2021 **Time Sampled:** 08:52 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW235-472-212
Duplicate ID:
COC#: COC-235-472-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106235-501 ***Deployment***

Quarter: 2

Sample ID: GW235-501-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth: 522.96	ft MRP
Previous Depth to Water (MRP):	**441.60**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 501.00	ft MRP
Length of Screen not submerged (ft):	**-59.4**			Bottom of Screen: 521.00	ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 14:11

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? DS

Notes:

DS
Monday, March 15, 2021 14:10 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106235-501 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW235-501-212

Date Sampled: 04/06/2021 **Time Sampled:** 09:21 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Sample ID: GW235-501-212

Notes: Micro bubbles in water during first VOA fill consolidated into a single 3 mm bubble (1 of 2 EDB VOAs)

Duplicate ID:

COC#: COC-235-501-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106236-436 ***Deployment***

Quarter: 2

Sample ID: GW236-436-212

Well Information					
Screen Interval Length (ft):	**25**			Well Depth:	462.94 ft MRP
Previous Depth to Water (MRP):	**441.73**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	436.00 ft MRP
Length of Screen not submerged (ft):	**5.73**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	461.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 12:40

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 440.35

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Monday, March 15, 2021 12:42 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-436 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW236-436-212

Date Sampled: 04/07/2021 **Time Sampled:** 08:15 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW236-436-212
Duplicate ID:
COC#: COC-236-436-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-470 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW236-470-212

Well Information

Screen Interval Length (ft):	**20**			Well Depth:	491.94 ft MRP
Previous Depth to Water (MRP):	**441.73**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	470.00 ft MRP
Length of Screen not submerged (ft):	**-28.27**			Bottom of Screen:	490.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 12:55

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Monday, March 15, 2021 12:53 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: _____ **Reviewed Date:** _____

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-470 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW236-470-212

Date Sampled: 04/07/2021 **Time Sampled:** 08:30 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes: 1 bubble (~2mm) in 1 EDB VOA due to aeration or rxn with HCl

Sample ID: GW236-470-212
Duplicate ID:
COC#: COC-236-470-212

Reveiwed By: _____ **Reviewed Date:** _____

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-499 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW236-499-212

Well Information					
Screen Interval Length (ft):	**20**			Well Depth:	521.94 ft MRP
Previous Depth to Water (MRP):	**441.77**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	499.00 ft MRP
Length of Screen not submerged (ft):	**-57.23**			Bottom of Screen:	519.00 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 13:02

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: NA

PID Reading: 0.0 **ppm**

Depth to Water: NA

DMS Tether and Reel ID match Well ID? RW

Notes:

RW
Monday, March 15, 2021 13:01 PM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106236-499 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW236-499-212

Date Sampled: 04/07/2021 **Time Sampled:** 08:50 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW236-499-212
Duplicate ID:
COC#: COC-236-499-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106240-449 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW240-449-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	491.04 ft MRP
Previous Depth to Water (MRP):	**471.62**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	449.04 ft MRP
Length of Screen not submerged (ft):	**22.58**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	489.04 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 16:10

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 470.92

DMS Tether and Reel ID match Well ID? DS

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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
	15	486.14

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106240-449 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW240-449-212

Date Sampled: 04/13/2021 **Time Sampled:** 14:08 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW240-449-212
Duplicate ID:
COC#: COC-240-449-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106241-428 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW241-428-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	470.10 ft MRP
Previous Depth to Water (MRP):	**450.65**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	428.10 ft MRP
Length of Screen not submerged (ft):	**22.55**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	468.10 ft MRP

Deployment Team: D.Schmeelk, P.Ferrari

Date Deployed: 03/12/2021 **Time Deployed:** 12:02

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 449.23

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed bags a full space below water level to ensure submersion



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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
	15	465.20

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106241-428 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW241-428-212

Date Sampled: 04/05/2021 **Time Sampled:** 12:48 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW241-428-212
Duplicate ID:
COC#: COC-241-428-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106242-418 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW242-418-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	460.14 ft MRP
Previous Depth to Water (MRP):	**440.99**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	418.14 ft MRP
Length of Screen not submerged (ft):	**22.85**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	458.14 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/15/2021 **Time Deployed:** 09:56

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 440.06

DMS Tether and Reel ID match Well ID? DS

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved 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
	9	439.64
✓	10	442.24
✓	11	444.84
✓	12	447.44
	13	450.04
	14	452.64
	15	455.24

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106242-418 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW242-418-212

Date Sampled: 04/06/2021 **Time Sampled:** 13:47 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes: 1 bubble <1mm in 1 of 2 EDB VOAs

Sample ID: GW242-418-212
Duplicate ID:
COC#: COC-242-418-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106243-425 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW243-425-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	467.54 ft MRP
Previous Depth to Water (MRP):	**445.95**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	425.04 ft MRP
Length of Screen not submerged (ft):	**20.91**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	465.04 ft MRP

Deployment Team: D.Schmeelk, R.Wittler

Date Deployed: 03/17/2021 **Time Deployed:** 12:48

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 445.04

DMS Tether and Reel ID match Well ID? DS

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - Anions - Dissolved 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
	15	462.14

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106243-425 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW243-425-212

Date Sampled: 04/12/2021 **Time Sampled:** 12:19 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW243-425-212
Duplicate ID:
COC#: COC-243-425-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106244-445 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW244-445-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	487.09 ft MRP
Previous Depth to Water (MRP):	**467.08**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	445.09 ft MRP
Length of Screen not submerged (ft):	**21.99**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	485.09 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 16:38

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 466.35

DMS Tether and Reel ID match Well ID? DS

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - 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
	15	482.19

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: _____ **Reviewed Date:** _____

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106244-445 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW244-445-212

Date Sampled: 04/13/2021 **Time Sampled:** 14:43 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW244-445-212
Duplicate ID:
COC#: COC-244-445-212

Reveiwed By: **Reviewed Date:**

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106245-460 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW245-460-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	505.67 ft MRP
Previous Depth to Water (MRP):	**485.78**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	463.67 ft MRP
Length of Screen not submerged (ft):	**22.11**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	503.67 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/18/2021 **Time Deployed:** 08:12

PID: MiniRAE 3000 - 592-915790 WH0005

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

PID Reading: 0.0 **ppm**

Depth to Water: 485.04

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed bags a full space below water level to ensure submersion

DS
Thursday, March 18, 2021 08:12 AM

QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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
	15	500.77

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106245-460 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW245-460-212

Date Sampled: 04/13/2021 **Time Sampled:** 11:45 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW245-460-212
Duplicate ID:
COC#: COC-245-460-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106247-450 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GW247-450-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth: 495.64	ft MRP
Previous Depth to Water (MRP):	**475.51**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 453.32	ft MRP
Length of Screen not submerged (ft):	**22.19**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen: 493.32	ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/18/2021 **Time Deployed:** 09:28

PID: MiniRAE 3000 - 592-915790 WH0005

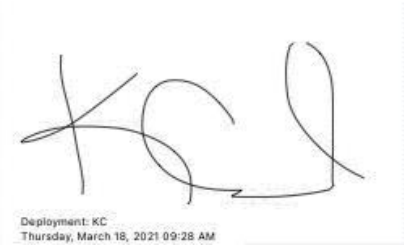
Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0.0 **ppm**

Depth to Water: 474.90

DMS Tether and Reel ID match Well ID? KC

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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
	15	490.42

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106247-450 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GW247-450-212

Date Sampled: 04/13/2021 **Time Sampled:** 12:17 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GW247-450-212
Duplicate ID:
COC#: COC-247-450-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106248-452

Project No: 6360401 **Samplers:** JM & KC

Date: 04/05/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on **Not Applicable** **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: Pending Analysis Yard

Well Depth: 497.53 ft MRP

Top of Screen: 455.53 ft MRP

Bottom of Screen: 495.53 ft MRP

Reference Elevation Interval: 4857

IDW Label: White Pending Analysis

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

Photoionization Measurements at Wellhead: 0.9 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: Not Applicable

Previous Depth to water: ft MRP Depth to Water (DTW): 480.33 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

Non-Dedicated Pump Depth 493.30 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW248-452-212 Sampling Method: Low-flow

Duplicate ID (if applicable): GW248-452-612 Sampling Medium: Water

COC#: COC-248-452-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106248-452

Purge Information and Field Parameter

Date: 04/05/2021

Purge Start Time: 10:35 Purge Rate: 700 mL/min X 0.265 = 0.186 gal/min

Description of first water purged: Clear, no odor

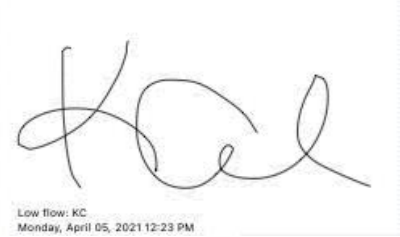
Drawdown Limit: _____ ft (based on previous water level)

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:								
10:40	480.40	11.4	19.4	82.3	7.57	423.8	7.52	430.6
10:45	480.40	14.5	19.3	78.9	7.25	419.8	7.62	408.9
10:50	480.39	13.5	19.2	76.7	7.07	416.5	7.64	398.6
10:55	480.39	13.9	19.3	74.3	6.82	412.6	7.62	390.1

Sample Time: 11:05 Sample Date: 04/05/2021

Purge End Time: 11:30

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

Sampled by: JW KC Sampler Signature: 

IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	16.2	Pending Analysis Yard	White Pending Analysis

Comments: _____

Reviewed By:  Initials: SL Review Date: 05/06/2021

Well Purge and Sampling Log

Well I.D. Number: KAFB-106249-450

Project:	KAFB BFF GWM	Date/Time Sampled:	4-21-2021 / PW 1550
Task Number:	US01030	Dedicated Pump?	(Yes) No
Project Manager:	Rachel Hobbs	Well Depth in Feet:	492.25
Field Team:	IC-Copeland R.Wittler	Screened Interval in	490 - 450

1. Purging Data/Field Measurements: All Measurements Relative to Top of Casing

Well Depth in Feet:	492.25	Actual Purge Volume in Liters:	10.80
Depth of Water (DTW) in Feet:	476.09		
Purge Method	bladder pump/ low flow		
1515 Purge Rate (L/min)	0.340		

Time	No. of Liters Purged	pH	Temp. in °C	Conductivity (mS/cm)	Turbidity	DO (mg/L)	ORP	DTW (ft.)	Comments: Quality, Recovery Color, Odor, Sheen, Accumulated Silt/Sand
1525	0.340	7.86	22.23	0.389	0.0	16.38	128	476.09	Clear & odorless
1530	1.700	7.84	21.99	0.389	0.0	11.76	128	476.09	Clear & odorless
1535	3.40	7.86	21.90	0.380	0.0	10.58	126	476.09	Clear & odorless
1540	5.10	7.85	21.89	0.378	0.1	10.13	125	476.09	Clear & odorless
1545	6.80	7.85	21.87	0.380	0.0	9.60	126	476.09	Clear & odorless

PW

2. Sampling Data and Field Equipment

Bottle Type	Number of Containers	Analyses	Preserv.	Filter
VOA	2	EDB	HCL	no
A. glass	2	BTEX/DRO	HCL	no
plastic	1	total metal	nitric A	no
plastic	1	dissolved metal	nitric A	yes
VOA	3	GRO	HCL	no
plastic	1	anions	none	no
plastic	1	nitrate/nitrate	sulfuric	no
VOA	3	VOCs	HCL	no
plastic	1	Alkalinity	none	no

Total Number of Bottles:	15
Duplicate Sample ID:	———
Pump Type:	QED Bladder
Parameter Meter:	Horiba U5000
Water Level probe:	Solinst 375137
Other:	———

4. Well Conditions Satisfactory (Unsatisfactory) Explain:

security bolt needed

Well Purge and Sampling Log

Well I.D. Number: KAFB-106250-MW

Project:	KAFB BFF GWM	Date/Time Sampled:	4/22/21	1057
Task Number:	US01-030	Dedicated Pump?	(Yes)	No
Project Manager:	Rachel Hobbs	Well Depth in Feet:	490.5	
Field Team:	K. Copeland R. Witter	Screened Interval in		

1. Purging Data/Field Measurements: All Measurements Relative to Top of Casing

Well Depth in Feet:	490.5	Actual Purge Volume in Liters:	6.09
Depth of Water (DTW) in Feet:	472.91 TOC	PID	7.0 ppm
Purge Method	bladder/low flow	PSI	265
Purge Rate (L/min)	0.290		50/20

Time	No. of Liters Purged	pH	Temp. in °C	Conductivity (mS/cm)	Turbidity	DO (mg/L)	ORP	DTW (ft.)	Comments: Quality, Recovery Color, Odor, Sheen, Accumulated Silt/Sand
1034	0.29	6.02	18.97	0.596	0.0	5.30	174	472.91	High petroleum odor in H_2O
1039	1.74	6.05	18.99	0.596	0.0	5.56	176	|	265 psi, 50 off/20 on
1044	3.19	6.02	19.06	0.654	4.0	0.82	Ø		
1049	4.64	6.16	19.11	0.701	7.6	0.00	Ø		yellow tint to H_2O
1054	6.09	6.18	19.28	0.721	9.2	0.00	Ø		bubbles rise to surface @ discharge
~~1059~~	~~Rec~~								in bucket (like foam)

2. Sampling Data and Field Equipment

Bottle Type	Number of Containers	Analyses	Preserv.	Filter
VOA	6	EDB	HCL	no
A. glass	6	DRO/ORO	HCL	no
Plastic	3	total metals	nitric A	no
plastic	3	dissolved metals	Nitric A	yes
VOA	9	BTEX	HCL	no
Plastic	3	anions	none	no
Plastic	3	nitrate/nitrate	Sulfuric	no
VOA	9	VOCs	HCL	no
Plastic	3	alkalinity	none	no

Total Number of Bottles:	45
Duplicate Sample ID:	MS/MSD
Pump Type:	bladder
Parameter Meter:	Horiba
Water Level probe:	solinst
Other:	

4. Well Conditions (Satisfactory) Unsatisfactory Explain:

Well Purge and Sampling Log

Well I.D. Number: KAFB-106251-443

Project:	KAFB BFF GWM	Date/Time Sampled:	4/22/21 0905
Task Number:	US01-030	Dedicated Pump?	(Yes) No
Project Manager:	Rachel Hobbs	Well Depth in Feet:	485.5
Field Team:	K Copeland R Witter	Screened Interval in	483.5-443.5

1. Purging Data/Field Measurements: All Measurements Relative to Top of Casing

Well Depth in Feet:	485.5	Actual Purge Volume in Liters:	8.91
Depth of Water (DTW) in Feet:	470.77 RW 69 TOC	PID	22.1
Purge Method	bladder / low flow	PSI	300
Purge Rate (L/min)	~~0.250~~ RW 0.330		

Time	No. of Liters Purged	pH	Temp. in °C	Conductivity (mS/cm)	Turbidity	DO (mg/L)	ORP	DTW (ft.)	Comments: Quality, Recovery Color, Odor, Sheen, Accumulated Silt/Sand
0835	0.66	5.62	15.35	0.527	0.0	4.79	164	470.69	psi: 300 / 50 off 280n
0840	2.31	5.40	15.65	0.559	0.0	3.91	174		Petroleum smell
0845	3.96	5.66	15.98	0.578	0.0	0.37	189		
0850	5.61	5.70	16.54	0.583	0.0	0.00	174		
0855	7.26	5.77	15.79	0.563	0.0	0.00	183		
0900	8.91	5.78	16.52	0.584	0.0	0.00	172		
				RW					

2. Sampling Data and Field Equipment

Bottle Type	Number of Containers	Analyses	Preserv.	Filter
VOA	2	EDB	HCL	no
A. Glass	2	DRO/ORO	HCL	no
Plastic	1	Total Metal	Nitric A	no
Plastic	1	Dissolved Metal	Nitric A	Yes
VOA	3	GRO	HCL	no
Plastic	1	anions	none	no
Plastic	1	Nitrate/Nitrate	sulfuric	no
VOA	3	VOCs	HCL	no
Plastic	1	Alkalinity	none	no

Total Number of Bottles:	5
Duplicate Sample ID:	GW251-443-0422
Pump Type:	QED Bladder
Parameter Meter:	Horiba U-5000
Water Level probe:	Solinst
Other:	

4. Well Conditions (Satisfactory) Unsatisfactory Explain:

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-106~~10~~ 252-425
Project No: 62735DM02
Samplers: D. Schmeltz, A. Kupper, S. Miles
Date: 3-23-2021
Crew Signature:

Well Information

Well Depth: 467.0 ft MRP ~~BGS~~
Top of Screen: 425.0 ft MRP ~~BGS~~
Barricade/Notification: ☐
Bottom of Screen: 465.0 ft MRP ~~BGS~~
Measurement Reference Point (MRP):
Reference Elevation Interval: 4857
IDW will be taken to: <90-day Yard
IDW Label: Orange - Hazardous Label

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

Photoionization Measurements at Wellhead: 0.2 ppm

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

Previous Depth to water: N/A ft MRP
Depth to Water (DTW): 452.28 ft MRP

Pump Information

Bennett Pump Serial No.: B07B-99

Non-Dedicated Pump Depth: 463.0 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:	Wh 0003
PID:	MiniRAE 3000	Serial No:	Wh 0006
Water Level Meter:	Solinst 500 ft	Serial No:	Wh 0012
Turbidity Meter:	Hach 2100Q	Serial No:	Wh 0009

Sample Information

Sample ID: AS GW252-425-211 ~~GWS10-204~~
Sampling Method: Low-flow
Duplicate ID: (if applicable) AS GW252-425-611 ~~GWS10-604~~
Sampling Medium: Water
COC#: AS COC-252-425-211 ~~COC-S10-204~~

Reviewed by: Amanda Smith Initials: AS Review Date: 3/31/2021

Groundwater Purge and Sampling Log

Year: 2020
Quarter: 4 (Oct-Dec)

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-106~~10~~ 252 - 425

Date: 3/23/2021

Purge Information and Field Parameter

Purge Start Time: 13:07 Purge Rate: 0.640 L/min X 0.265 = 0.1696 gal/min

Description of first water purged: slightly murky and odorless

Drawdown Limit: _____ 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:				-------				
13:10	452.28	51.2	18.3	87.8	8.20	687	7.57	364.9
1315	452.28	9.36	18.2	84.4	7.96	685	7.75	356.7
1320	452.28	5.30	18.2	81.9	7.78	684	7.73	355.2
1325	452.28	5.00	18.3	82.7	7.78	684	7.77	355.4
1330	452.28	6.27	18.3	82.7	7.78	685	7.77	355.0
Took Sample								

Sample Time: 1341 Sample Date: 3-23-2021

Purge End Time: 1350

6mm

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

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

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	~~15~~ gal
2	12 gal + 5 gal
Total	17 gal

IDW will be taken to: <90-day Yard (ER)

IDW Label: Orange - Hazardous Label

Comments:

Reviewed by: Amanda Smith Initials: AS Review Date: 3/31/2021

Page 2 of 2

Passive Diffusion Water Sampling Data Sheet

Year: 2021

Well Location ID: KAFB-106S1-447 ***Deployment***

Quarter: 2

Sample ID: GWS1-447-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	489.99 ft MRP
Previous Depth to Water (MRP):	**468.89**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	447.00 ft MRP
Length of Screen not submerged (ft):	**21.89**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	487.00 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/18/2021 **Time Deployed:** 10:17

PID: MiniRAE 3000 - 592-915790 WH0005

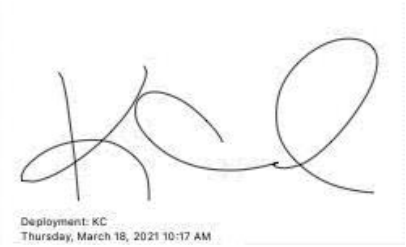
Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 2.5 **ppm**

Depth to Water: 468.51

DMS Tether and Reel ID match Well ID? KC

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- 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
	15	484.10

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S1-447 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GWS1-447-212

Date Sampled: 04/14/2021 **Time Sampled:** 13:21 **Sampling Team:** D.Schmeelk, R.Wittler, S.Miles

PID Reading: 0.9 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS1-447-212
Duplicate ID:
COC#: COC-S1-447-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S2-451 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GWS2-451-212

Well Information

Screen Interval Length (ft):	**40**			Well Depth:	496.90 ft MRP
Previous Depth to Water (MRP):	**476.39**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	454.23 ft MRP
Length of Screen not submerged (ft):	**22.16**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	494.23 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/17/2021 **Time Deployed:** 14:44

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.0 **ppm**

Depth to Water: 475.88

DMS Tether and Reel ID match Well ID? DS

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - 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
	15	491.33

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S2-451 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GWS2-451-212

Date Sampled: 04/14/2021 **Time Sampled:** 10:04 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS2-451-212
Duplicate ID:
COC#: COC-S2-451-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S3-449 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GWS3-449-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth: 494.42	ft MRP
Previous Depth to Water (MRP):	**475.56**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 452.18	ft MRP
Length of Screen not submerged (ft):	**23.38**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen: 492.18	ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/18/2021 **Time Deployed:** 15:09

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.0 **ppm**

Depth to Water: 475.07

DMS Tether and Reel ID match Well ID? DS

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - 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
	15	489.28

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S3-449 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GWS3-449-212

Date Sampled: 04/14/2021 **Time Sampled:** 08:20 **Sampling Team:** D.Schmeelk, R.Wittler, S.Miles

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS3-449-212
Duplicate ID:
COC#: COC-S3-449-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S4-446 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GWS4-446-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth: 491.73	ft MRP
Previous Depth to Water (MRP):	**470.45**	**(Gauged on 11/04/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen: 449.23	ft MRP
Length of Screen not submerged (ft):	**21.22**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen: 489.23	ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/18/2021 **Time Deployed:** 08:56

PID: MiniRAE 3000 - 592-915790 WH0005

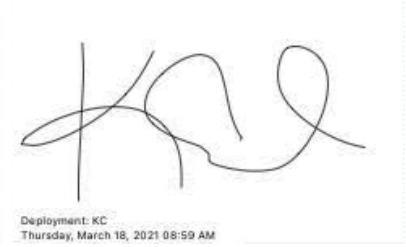
Water Level Meter: Clean - Solinst 750 ft - 350333 WH0567

PID Reading: 0.0 **ppm**

Depth to Water: 469.93

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed bags a full space below water level to ensure submersion



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
MS/MSD sample required; please deploy extra samplers	- 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
✓	15	486.33

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S4-446 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GWS4-446-212

Date Sampled: 04/13/2021 **Time Sampled:** 13:03 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: GWTS/Pending Disposal Area

Notes:

Sample ID: GWS4-446-212
Duplicate ID:
COC#: COC-S4-446-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S5-446 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GWS5-446-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	488.32 ft MRP
Previous Depth to Water (MRP):	**467.90**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	446.08 ft MRP
Length of Screen not submerged (ft):	**21.82**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	486.08 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/19/2021 **Time Deployed:** 09:16

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.1 **ppm**

Depth to Water: 467.38

DMS Tether and Reel ID match Well ID? KC

Notes: Deployed bags a full space below water level to ensure submersion



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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
	15	483.18

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S5-446 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GWS5-446-612

Date Sampled: 04/13/2021 **Time Sampled:** 16:03 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 1.6 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS5-446-612
Duplicate ID: GWS5-446-612
COC#: COC-S5-446-612

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S7-451 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GWS7-451-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	492.60 ft MRP
Previous Depth to Water (MRP):	**473.29**	**(Gauged on 11/02/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	451.00 ft MRP
Length of Screen not submerged (ft):	**22.29**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	491.00 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/19/2021 **Time Deployed:** 10:04

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.0 **ppm**

Depth to Water: 472.74

DMS Tether and Reel ID match Well ID? DS

Notes: Deployed bags a full space below water level to ensure submersion. This decision was partially based on the point at which the tether discoloration began.



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - 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
	15	488.10

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S7-451 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GWS7-451-212

Date Sampled: 04/13/2021 **Time Sampled:** 15:22 **Sampling Team:** D.Schmeelk, R.Wittler

PID Reading: 1.2 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS7-451-212
Duplicate ID:
COC#: COC-S7-451-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S8-451 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GWS8-451-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	494.22 ft MRP
Previous Depth to Water (MRP):	**475.30**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	454.22 ft MRP
Length of Screen not submerged (ft):	**21.08**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	494.22 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/10/2021 **Time Deployed:** 11:26

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.4 **ppm**

Depth to Water: 474.89

DMS Tether and Reel ID match Well ID? DS

Notes: Measured depth to top of sampler position #12 is 477.29 ft (BGS MRP). Sampler positions deployed based on this measurement.



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
No QC sample required	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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
	15	491.32

✓ Indicates sampler deployment position

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S8-451 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GWS8-451-212

Date Sampled: 04/14/2021 **Time Sampled:** 13:52 **Sampling Team:** D.Schmeelk, R.Wittler, S.Miles

PID Reading: 0.2 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS8-451-212
Duplicate ID:
COC#: COC-S8-451-212

Reveiwed By: Liliana Domenici **Reviewed Date:** 5/5/21

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S9-447 ***Deployment***

Year: 2021
Quarter: 2
Sample ID: GWS9-447-212

Well Information					
Screen Interval Length (ft):	**40**			Well Depth:	489.49 ft MRP
Previous Depth to Water (MRP):	**469.94**	**(Gauged on 11/03/2020)**	**LNAPL NOT detected during prior gauging**	Top of Screen:	447.12 ft MRP
Length of Screen not submerged (ft):	**22.82**	Water level <5ft above top of screen or screen not submerged		Bottom of Screen:	487.12 ft MRP

Deployment Team: D.Schmeelk, K.Copeland

Date Deployed: 03/10/2021 **Time Deployed:** 14:14

PID: MiniRAE 3000 - 592-915790 WH0005

Water Level Meter: Hazardous - Solinst 500 ft - 253056 WH0571

PID Reading: 0.0 **ppm**

Depth to Water: 469.54

DMS Tether and Reel ID match Well ID? DS

Notes:



QC Sample notes (if blank, no QC samples required):	**Analyte(s):**
Duplicate sample required; please deploy extra samplers	- Alkalinity - BTEX - Anions - Dissolved Metals - EDB - NO3/NO2-N - Total Metals

	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**
	15	**484.22**

✓ **Indicates sampler deployment position**

Dotted line indicates current water level

Depths highlighted gray represent submerged samplers based on previous water level

Reveiwed By: amanda m smith **Reviewed Date:** 5/20/2021

Passive Diffusion Water Sampling Data Sheet

Well Location ID: KAFB-106S9-447 *Sampling*

Year: 2021
Quarter: 2
Sample ID: GWS9-447-212

Date Sampled: 04/14/2021 **Time Sampled:** 11:20 **Sampling Team:** D.Schmeelk, R.Wittler, S.Miles

PID Reading: 0.0 **DMS Tether, Reel, and Well ID's match? (Initial to confirm)** DS

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

PID Model – SN – WH#: MiniRAE 3000 - 592-915790 WH0004

IDW will be taken to: 90-Day Hazardous Waste Storage Yard

Notes:

Sample ID: GWS9-447-212
Duplicate ID: GWS9-447-612
COC#: COC-S9-447-212

Reveiwed By: amanda m smith **Reviewed Date:** 5/20/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project:	**Kirtland AFB BFF ST-106/SS-111**	**Well ID:**	**KAFB-106S10-443**
Project No:	**6360401**	**Samplers:**	**JM + SM**
Date:	**04/19/2021**		

Well Information

Well was	Hazardous	Well Depth:	520.03 ft MRP
SCREEN SUBMERGED on	Not Applicable **(previous gauging date)**	Top of Screen:	445.03 ft MRP
Barricade/Notification:		Bottom of Screen:	486.03 ft MRP
Measurement Reference Point (MRP):	TOPC	Reference Elevation Interval:	4857
IDW will be taken to:	90-Day Hazardous Waste Storage Yard	IDW Label:	Orange Hazardous

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

Photoionization Measurements at Wellhead: 0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: Not applicable

Previous Depth to water: N/A ft MRP Depth to Water (DTW): 471.69 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-902

Non-Dedicated Pump Depth 484.03 ft MRP

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

Field Instrumentation

pH, Conductivity, ORP, DO, Temperature	YSI Professional Plus - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Hazardous - Solinst 500 ft - 253056 WH0571
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID:	GWS10-443-212	Sampling Method:	Low-flow
Duplicate ID (if applicable):		Sampling Medium:	Water
COC#:	COC-S10-443-212		

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-106S10-443

Purge Information and Field Parameter

Date: 04/19/2021

Purge Start Time: 13:21 Purge Rate: 580 mL/min X 0.265 = 0.154 gal/min

Description of first water purged: Clear; moderate hydrocarbon odor

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

Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:		**2.03**	**17.3**		**1.82**		**7.36**	**186.1**
13:28	471.71	611	19.1	60.4	5.33	818	6.95	29.8
13:33	471.71	265	19.2	31.4	2.84	792	7.04	-50.7
13:38	471.71	170	19.3	21	1.93	767	7.11	-75.2
13:43	471.7	94.9	19.3	15.1	1.37	755	7.13	-86
13:48	471.7	53.9	19.4	11.4	1.03	758	7.15	-91.5
13:53	471.7	35.1	19.4	8.6	0.78	756	7.16	-95.3
13:58	471.7	17.7	19.3	6.9	0.62	753	7.15	-94.7
14:03	471.7	11.5	19.4	5.8	0.53	754	7.16	-96.2
14:08	471.7	8.11	19.4	5.2	0.47	757	7.14	-98
14:13	471.7	7.42	19.4	4.8	0.44	756	7.19	-102.4
14:18	471.7	6.86	19.5	4.7	0.43	754	7.17	-100.4

Sample Time: 14:22 Sample Date: 04/19/2021

Purge End Time: 14:26

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	15.0	90-Day Hazardous Waste Storage Yard	Orange Hazardous

Comments: _____

Reviewed By: amanda m smith Initials: AMS Review Date: 06/02/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-3411

Project No: 6360401 **Samplers:** JM & KC

Date: 04/13/2021

Well Information

Well was: Clean

SCREEN SUBMERGED on 01/18/2021 **(previous gauging date)**

Barricade/Notification:

Measurement Reference Point (MRP): TOPC

IDW will be taken to: GWTS/Pending Disposal Area

Well Depth: 506.06 ft MRP

Top of Screen: 480.06 ft MRP

Bottom of Screen: 505.06 ft MRP

Reference Elevation Interval: 4857

IDW Label: Green Non-Hazardous

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

Photoionization Measurements at Wellhead: 0.0 ppm

LNAPL Present? No LNAPL Thickness: ft LNAPL Not observed during last gauging event: 1/18/2021

Previous Depth to water: 466.44 ft MRP Depth to Water (DTW): 466.18 ft MRP

Pump Information

Non-Dedicated Pump

Bennett Pump Serial No: 1807B-919

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 - 18L100378 WH0003
PID	MiniRAE 3000 - 592-915579 WH0006
Water Level Meter	Clean - Solinst 750 ft - 350333 WH0567
Turbidity Meter	Hach 2100Q - 5100C045025 WH0007

Sample Information

Sample ID: GW3411-212 Sampling Method: Low-flow

Duplicate ID (if applicable): Sampling Medium: Water

COC#: COC-3411-212

Reviewed By: Initials: SL Review Date: 05/06/2021

Groundwater Purge and Sampling Log

Year: 2021

Quarter: 2

Project: Kirtland AFB BFF ST-106/SS-111 **Well ID:** KAFB-3411

Purge Information and Field Parameter

Date: 04/13/2021

Purge Start Time: 13:27 Purge Rate: 640 mL/min X 0.265 = 0.170 gal/min

Description of first water purged: Clear, no odor

Drawdown Limit: 13.62 ft (based on previous water level)

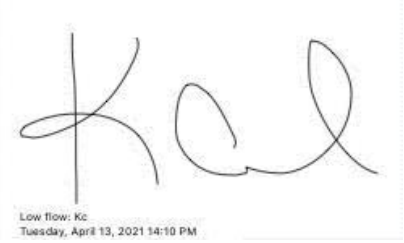
Time	DTW (ft)	Turbidity (NTU)	Temp (°C)	DO Saturated (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Stabilization Requirements	-------	**if > 10, ±10%**	**±10%**	-------	**±10%**	**±10%**	**±0.5**	-------
Historical Data:	**466.44**	**1.28**	**23.9**		**1.74**	**364.4**	**7.71**	**165.2**
13:32	466.21	2.03	20.4	58.1	5.11	379.1	7.79	390.6
13:37	466.21	0.88	20.5	34.7	3.10	383.8	7.79	387.3
13:42	466.21	3.03	20.7	31.4	2.79	385.2	7.79	384.1
13:47	466.20	3.03	20.6	29.0	2.71	387.3	7.77	382.1
13:52	466.20	4.44	20.3	27.6	2.48	387.4	7.72	382.3
13:57	466.19	3.55	20.3	27.6	2.42	388.4	7.68	382.1
14:02	466.19	3.51	20.0	25.9	2.33	388.4	7.69	382.1

Sample Time: 14:04 Sample Date: 04/13/2021

Purge End Time: 14:09

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

Sampled by: JM Sampler Signature:



IDW Management

	Estimated volume per IDW drum (gal)	IDW will be taken to:	IDW Label:
Total	14.6	GWTS/Pending Disposal Area	Green Non-Hazardous

Comments:

Reviewed By: Initials: SL Review Date: 05/06/2021

Table E-3-1
Water Quality Field Measurements for the Current and Previous Three Quarters

Well Location ID	Sample Quarter	Sample Date	Turbidity (NTU)	Temperature (°C)	DO (mg/L)	Spec. Cond. (µS/cm)	pH (S.U.)	ORP (mV)
KAFB-106001	Q2 2021	4/27/2021	1.38	19.4	1.86	447.1	7.42	299.5
	Q4 2020	10/30/2020	4.78	19.8	1.94	322.2	7.60	205.6
KAFB-106002	Q2 2021	4/15/2021	0.61	18.3	6.52	498.5	7.51	359.1
	Q4 2020	10/20/2020	0.27	18.6	6.72	431.7	7.46	339.4
	Q2 2020	4/17/2020	0.31	18.5	6.31	410.6	7.51	303.1
KAFB-106003	Q2 2021	4/7/2021	2.87	18.3	8.77	910	7.77	341.7
	Q1 2021	1/14/2021	0.59	17.2	9.49	970	7.74	335.8
	Q4 2020	10/13/2020	1.49	17.9	8.52	983	7.80	412.0
	Q3 2020	7/15/2020	2.31	20.4	6.64	602	7.79	329.9
KAFB-106004	Q2 2021	4/8/2021	7.92	19.5	5.3	419.4	7.72	324.9
	Q1 2021	1/13/2021	0.53	16.6	5.51	426.7	7.67	399.5
	Q4 2020	10/14/2020	0.59	19.7	5.83	484.1	7.73	332.1
	Q3 2020	7/16/2020	0.60	22.0	6.48	481.1	7.59	352.6
KAFB-106005	Q2 2021	4/21/2021	6.71	19.8	0.2	1938	6.96	-315
	Q1 2021	1/15/2021	6.72	17.5	0.22	1602	7.24	-261.8
	Q4 2020	10/23/2020	9.16	20.1	0.11	1,172	7.37	-324.8
	Q3 2020	7/13/2020	13.8	22.4	0.21	1,179	7.38	-289.1
KAFB-106006	Q2 2021	4/23/2021	1.03	19	0.28	625	7.09	-132.4
	Q4 2020	10/29/2020	2.49	18.4	1.23	588	7.48	-98.1
	Q2 2020	4/24/2020	2.79	18.4	1.60	527.8	7.69	-74.6
KAFB-106007	Q2 2021	4/14/2021	0.23	15.4	4.8	377.2	7.75	345.1
	Q4 2020	10/5/2020	1.24	18.9	0.56	529.7	7.31	379.4
	Q2 2020	4/24/2020	1.66	21.2	4.57	389.5	7.88	242.2
KAFB-106008	Q2 2021	4/20/2021	30.9	18.8	0.2	1207	6.8	-106.6
	Q4 2020	10/21/2020	6.82	19.7	0.13	1,138	6.84	-156.3
KAFB-106009	Q2 2021	4/28/2021	0.64	18.1	0.33	1677	7.03	64.9
	Q1 2021	1/11/2021	1.84	17.3	0.32	1,343	6.94	4.7
	Q4 2020	10/12/2020	1.04	21.9	0.28	1,774	6.89	156.5
KAFB-106010	Q2 2021	4/21/2021	1.48	16.2	0.41	715	6.96	-143.9
	Q4 2020	10/22/2020	5.01	19.4	0.19	539.0	7.03	-182.1
	Q2 2020	4/24/2020	1.11	20.7	0.80	577	7.13	-196.6
KAFB-106011	Q2 2021	4/2/2021	3.25	18.6	1.37	1592	7.52	243.4
	Q4 2020	10/1/2020	1.36	18.8	1.00	967	7.80	178.1
	Q2 2020	4/17/2020	1.12	18.3	0.71	1,050	7.62	291.0
KAFB-106012R	Q2 2021	4/14/2021	0.31	21.3	6.63	1620	7.25	338.2
	Q1 2021	1/11/2021	2.2	15.8	7.08	1,533	7.39	403.4
	Q4 2020	10/2/2020	0.97	21.3	7.44	1,610	7.27	195.8
	Q3 2020	7/14/2020	12.0	22.9	6.93	1,400	7.36	300.8
KAFB-106013	Q2 2021	4/6/2021	16.7	18.7	2.04	347.5	7.81	353.7
	Q1 2021	1/12/2021	9.26	16.0	1.45	510.2	7.73	382.6
	Q4 2020	10/13/2020	5.08	19.0	2.55	496.7	7.70	439.6
	Q3 2020	7/15/2020	6.67	23.9	4.05	451.8	7.63	278.4
KAFB-106014	Q2 2021	4/20/2021	3.33	17.8	0.14	1875	6.8	-108.7
	Q4 2020	10/29/2020	7.32	18.6	3.47	1,487	6.96	-66.2
	Q2 2020	4/24/2020	4.86	19.1	1.56	1,085	7.19	-128.6
KAFB-106016	Q2 2021	4/15/2021	3.61	19	2.43	323.5	7.68	350.5
	Q4 2020	10/1/2020	3.97	19.4	1.93	368.7	7.95	149.5
	Q2 2020	4/17/2020	3.30	18.9	2.86	346.3	7.88	103.5
KAFB-106017	Q2 2021	4/19/2021	1.22	17.2	0.26	545	7.55	-94.7
	Q4 2020	10/19/2020	1.14	18.2	0.19	513.6	7.55	-54.2
	Q2 2020	4/21/2020	1.42	19	0.24	497.4	7.59	-64.8
KAFB-106018	Q2 2021	4/26/2021	0.39	19.2	0.26	600	7.57	170.8
	Q4 2020	10/28/2020	1.82	16.6	2.10	539.2	7.76	347.6
	Q2 2020	5/8/2020	3.08	19.9	0.59	558	7.57	32.8
KAFB-106019	Q2 2021	4/26/2021	3.1	19	1.37	442.7	7.64	258.1
	Q4 2020	10/8/2020	27.6	18.5	0.72	810	7.60	375.3
	Q2 2020	4/23/2020	36.6	19.8	5.27	1,895	7.45	77.8
KAFB-106020	Q2 2021	4/27/2021	40.7	17.8	1.66	527.6	7.64	353.7
	Q4 2020	10/29/2020	123	18.2	6.11	563.3	7.61	242.1
	Q2 2020	4/28/2020	118	19.3	5.51	583	7.82	271.8
KAFB-106024	Q2 2021	4/7/2021	5.42	20.7	0.76	387.2	7.62	233.7
	Q4 2020	10/21/2020	1.25	20.6	0.32	424.7	7.38	224.4
	Q2 2020	4/20/2020	9.44	20.1	0.56	428.1	7.57	301.7
KAFB-106027	Q2 2021	4/2/2021	0.94	18.5	3.04	421	7.78	302
	Q4 2020	10/1/2020	0.71	19.4	3.03	388.5	8.07	152.9
	Q2 2020	4/20/2020	3.38	18.1	3.88	385.9	7.84	348.4
KAFB-106028	Q2 2021	4/20/2021	2.4	18	0.28	1299	6.81	-131.3
	Q4 2020	10/22/2020	1.71	19.1	0.11	936	6.93	-228.7
KAFB-106038	Q2 2021	4/12/2021	0.42	16.7	3.63	878	7.59	307
	Q4 2020	10/5/2020	1.12	23.1	6.43	478.0	7.69	420.0
	Q2 2020	4/22/2020	2.46	19.7	4.07	823	7.68	286.0
KAFB-106039	Q2 2021	4/12/2021	2.72	20.9	2.51	839	7.54	309.4
	Q4 2020	10/5/2020	2.68	24.0	2.41	776	7.58	383.1
	Q2 2020	4/22/2020	10.7	20.9	5.25	689	7.72	244.1
KAFB-106040	Q2 2021	4/12/2021	1.36	17.9	3.42	535.9	7.59	304.9
	Q4 2020	10/7/2020	1.31	18.4	3.42	554.8	7.51	405.1
	Q2 2020	4/23/2020	5.12	20.3	4.47	453.9	7.69	345.2

Table E-3-1
Water Quality Field Measurements for the Current and Previous Three Quarters

Well Location ID	Sample Quarter	Sample Date	Turbidity (NTU)	Temperature (°C)	DO (mg/L)	Spec. Cond. (µS/cm)	pH (S.U.)	ORP (mV)
KAFB-106044	Q2 2021	4/2/2021	1.74	17.9	2.82	376.1	7.75	364.8
	Q4 2020	10/1/2020	0.64	19.5	3.10	374.4	8.17	167.9
	Q2 2020	4/20/2020	0.52	18.1	3.11	365.1	7.85	331.1
KAFB-106045	Q2 2021	4/13/2021	0.39	18.8	2.87	357.6	7.88	434.5
	Q4 2020	10/8/2020	0.46	22.4	3.08	347.7	7.72	393.5
	Q2 2020	4/24/2020	0.47	18.9	2.85	354.0	7.91	348.7
KAFB-106046	Q2 2021	4/2/2021	1	19.1	5.37	390.7	7.65	276.9
	Q4 2020	10/20/2020	0.95	19.5	1.70	482.7	7.58	367.0
	Q2 2020	4/22/2020	0.50	19.7	4.46	432.7	7.8	202.2
KAFB-106047	Q2 2021	4/2/2021	1.16	18.7	6.66	383.6	7.33	295.3
	Q4 2020	10/20/2020	1.97	19.1	3.84	445.0	7.79	374.0
	Q2 2020	4/17/2020	3.40	18.5	5.81	386.8	7.27	324.3
KAFB-106048	Q2 2021	4/14/2021	4.38	22.6	5.37	368	7.52	318.7
	Q4 2020	10/15/2020	27.6	21.1	5.92	387.0	7.90	399.4
	Q2 2020	4/29/2020	1.88	19.4	5.39	362.2	7.78	166.0
KAFB-106059	Q2 2021	4/22/2021	2.58	18.4	0.3	894	6.82	-98.5
	Q4 2020	10/23/2020	3.34	19.4	0.24	767	6.82	-117.8
	Q2 2020	5/6/2020	7.33	20.4	0.13	566	6.96	-256.6
KAFB-106060	Q2 2021	4/7/2021	0.32	18.1	6.59	617	7.62	315.2
	Q4 2020	10/20/2020	0.98	18.9	6.32	735	7.59	338.9
	Q2 2020	4/20/2020	0.42	18.6	5.90	792	7.68	295.5
KAFB-106061	Q2 2021	4/13/2021	1.57	20.7	2.67	359.1	7.75	328.9
	Q4 2020	10/15/2020	2.81	22.4	2.27	364.9	7.85	388.0
	Q2 2020	4/27/2020	5.99	22.3	3.18	349.3	7.63	138.1
KAFB-106062	Q2 2021	4/2/2021	0.45	18	6.58	339.7	7.48	295.5
	Q4 2020	10/20/2020	6.18	19.0	4.04	391.4	7.73	358.3
	Q2 2020	4/21/2020	2.57	19.2	3.97	376.0	7.78	141.0
KAFB-106063[a]	Q2 2021	4/1/2021	8.16	16.8	0.52	728	6.86	-79.6
	Q1 2021	1/11/2021	18.6	16.1	0.18	NA	7.38	-53.6
	Q4 2020	10/14/2020	9.38	18.3	0.21	868	6.87	-129.9
	Q2 2020	5/19/2020	1.98	18.9	0.13	NA	6.90	-168.6
KAFB-106064[a]	Q2 2021	4/1/2021	2.11	17	0.29	1260	6.77	-84.9
	Q1 2021	1/11/2021	12.3	15.8	0.18	NA	6.83	-107.5
	Q4 2020	10/14/2020	9.30	17.5	0.00	1189	6.72	-100.9
	Q2 2020	5/19/2020	4.84	18.3	0.05	NA	6.81	-193.6
KAFB-106065	Q2 2021	4/16/2021	1.88	17.3	0.48	641	7.25	-43.7
	Q4 2020	10/19/2020	2.82	16.5	5.80	644	7.16	201.3
	Q2 2020	4/22/2020	7.15	17.0	0.22	677	7.27	7.7
KAFB-106066	Q2 2021	4/16/2021	0.88	17	3.88	319.5	7.9	226.7
	Q4 2020	10/16/2020	1.17	16.7	4.47	333.4	7.80	340.4
	Q2 2020	4/22/2020	0.76	17.0	4.26	381.6	7.84	175.6
KAFB-106067	Q2 2021	4/16/2021	2.34	18.2	0.22	570.4	7.29	-11.9
	Q4 2020	10/19/2020	1.07	18.6	0.13	979	7.08	-96.7
	Q2 2020	4/21/2020	2.22	18.2	0.20	559.2	7.33	35.9
KAFB-106068	Q2 2021	4/6/2021	6.68	18.4	6.61	335.3	7.36	279.5
	Q4 2020	10/16/2020	5.30	18.4	5.85	345.1	7.75	300.7
	Q2 2020	4/20/2020	6.13	18.3	4.75	380.0	7.57	303.4
KAFB-106069	Q2 2021	4/26/2021	0.53	20.3	0.33	688	7.48	-25.4
	Q4 2020	10/16/2020	0.73	17.0	0.26	558.2	7.69	-54.9
	Q2 2020	4/23/2020	1.88	20.7	2.55	540.8	7.59	238.6
KAFB-106073	Q2 2021	4/15/2021	3.72	16.4	0.51	552.6	7.57	343.9
	Q4 2020	10/12/2020	9.77	19.7	0.24	654	7.54	310.9
	Q2 2020	4/30/2020	1.15	20.2	0.84	555	7.67	139.0
KAFB-106074	Q2 2021	4/15/2021	1.37	18.6	2.84	321.7	7.76	356.7
	Q4 2020	10/12/2020	1.21	18.0	3.45	522.4	7.68	399.5
	Q2 2020	4/30/2020	1.53	21.8	3.44	450.6	7.75	162.2
KAFB-106075	Q2 2021	4/29/2021	17.4	20.8	1.81	679	7.54	233
	Q4 2020	10/23/2020	6.62	18.1	4.78	1,062	7.43	287.8
	Q2 2020	4/20/2020	0.62	18.3	0.30	629	7.63	158.4
KAFB-106076	Q2 2021	4/23/2021	21.8	19.8	0.31	390.8	6.94	-237.1
	Q4 2020	10/30/2020	11.6	18.5	0.24	1,042	6.72	-65.5
	Q2 2020	4/28/2020	23.7	24.2	0.18	454.2	7.49	-242.7
KAFB-106077	Q2 2021	4/14/2021	1.62	18.6	2.97	353.3	7.73	341.6
	Q4 2020	10/9/2020	1.99	23.9	3.84	384.7	7.69	372.9
	Q2 2020	4/27/2020	1.60	21.5	3.28	387.0	7.78	133.2
KAFB-106078	Q2 2021	4/19/2021	7.32	19.2	7.94	387.6	7.36	173.9
	Q4 2020	10/20/2020	16.6	20.2	2.51	373.0	7.67	352.1
	Q2 2020	4/21/2020	5.02	19.8	1.89	360.9	7.82	235.6
KAFB-106079	Q2 2021	4/22/2021	12	19.3	3.84	1457	6.92	-47.9
	Q4 2020	10/30/2020	9.80	18.6	0.22	1,204	6.88	-83.6
KAFB-106080	Q2 2021	4/27/2021	1.33	19	0.23	1229	6.9	-72.1
	Q4 2020	11/24/2020	1.39	18.1	0.25	1,186	6.89	-69.0
	Q2 2020	4/23/2020	1.31	18.4	0.25	1,327	6.99	-18.0
KAFB-106081	Q2 2021	4/14/2021	2.9	20	3.97	355.2	7.63	329.9
	Q4 2020	10/15/2020	0.71	21.8	4.32	375.8	7.80	402.6
	Q2 2020	4/29/2020	1.06	22.0	5.08	350.9	7.58	170.6

Table E-3-1
Water Quality Field Measurements for the Current and Previous Three Quarters

Well Location ID	Sample Quarter	Sample Date	Turbidity (NTU)	Temperature (°C)	DO (mg/L)	Spec. Cond. (µS/cm)	pH (S.U.)	ORP (mV)
KAFB-106082	Q2 2021	4/9/2021	1.51	17.8	0.45	574.8	7.57	350.7
	Q4 2020	10/6/2020	0.83	22.6	0.52	641	7.54	305.8
	Q2 2020	4/28/2020	0.39	23.6	1.48	582	7.46	127.2
KAFB-106083	Q2 2021	4/9/2021	0.66	20.4	0.5	376.4	7.74	292.9
	Q4 2020	10/6/2020	0.61	18.8	0.23	419.2	7.79	257.2
	Q2 2020	4/28/2020	1.52	20.0	0.71	491.4	7.83	97.1
KAFB-106084	Q2 2021	4/9/2021	1.14	20.7	3.55	325.2	7.73	290.2
	Q4 2020	10/6/2020	1.22	23.3	3.15	363.8	7.77	336.9
	Q2 2020	4/28/2020	1.25	22.6	3.31	366.0	7.78	150.6
KAFB-106094	Q2 2021	4/16/2021	4.85	18.4	0.25	591	7.45	121.3
	Q4 2020	10/19/2020	2.23	18.9	0.21	856	7.33	-118.6
	Q2 2020	4/21/2020	1.48	18.6	0.20	511.4	7.46	59.1
KAFB-106095	Q2 2021	4/12/2021	0.51	22.6	0.84	428.6	7.44	240
	Q4 2020	10/7/2020	2.27	23.7	0.22	624	7.37	356.4
	Q2 2020	4/29/2020	4.39	21.8	2.28	469.9	7.67	148.0
KAFB-106096	Q2 2021	4/12/2021	5.1	21.7	2.51	349.9	7.57	253.9
	Q4 2020	10/7/2020	5.23	21.7	2.63	352.4	7.67	397.2
	Q2 2020	5/8/2020	5.11	19.4	4.23	357.5	7.76	134.7
KAFB-106097	Q2 2021	4/7/2021	0.27	17.8	2.84	469.8	7.8	396.5
	Q1 2021	1/12/2021	0.48	17.5	2.69	483.5	7.79	287.2
	Q4 2020	10/13/2020	0.92	19.7	2.76	442.5	7.80	419.0
	Q3 2020	7/16/2020	0.37	19.9	2.97	395.6	7.63	349.1
KAFB-106098	Q2 2021	4/6/2021	0.38	19.2	3.36	406	7.89	292.6
	Q1 2021	1/12/2021	0.53	17.6	2.99	475.4	7.76	276.0
	Q4 2020	10/13/2020	0.62	19.3	2.92	490.2	7.83	441.9
	Q3 2020	7/15/2020	0.75	21.4	3.38	435.5	7.75	209.9
KAFB-106099	Q2 2021	4/8/2021	6.28	18.6	5.48	409.1	7.83	340.9
	Q1 2021	1/13/2021	7.18	18.0	5.46	434.3	7.82	287.1
	Q4 2020	10/14/2020	0.49	18.5	4.60	442.8	7.83	403.8
	Q3 2020	7/16/2020	0.69	21.0	5.59	372.6	7.71	319.2
KAFB-106100	Q2 2021	4/8/2021	0.65	18.1	2.49	345	7.87	384.5
	Q1 2021	1/13/2021	1.79	17.6	2.40	348.0	7.81	298.3
	Q4 2020	10/14/2020	6.26	20.7	3.69	369.6	7.81	340.1
	Q3 2020	7/16/2020	0.79	22.1	2.96	331.7	7.74	328.9
KAFB-106101	Q2 2021	4/5/2021	1.2	19.3	8.74	900	7.67	263.5
	Q1 2021	1/13/2021	1.17	17.8	8.87	930	7.69	294.8
	Q4 2020	10/14/2020	1.29	20.4	7.28	794	7.69	340.6
	Q3 2020	7/15/2020	0.82	19.7	6.11	432.4	7.68	345.2
KAFB-106102	Q2 2021	4/5/2021	0.47	19.7	3.41	300.3	7.83	212.7
	Q1 2021	1/14/2021	0.37	17.2	3.17	356.6	7.72	341.8
	Q4 2020	10/15/2020	0.66	18.3	3.89	389.0	7.92	387.5
	Q3 2020	7/15/2020	0.93	20.1	3.25	327	7.78	337.9
KAFB-106248-452	Q2 2021	4/5/2021	13.9	19.3	6.82	412.6	7.62	390.1
KAFB-106249-450	Q2 2021	4/21/2021	0.0	21.87	9.60	380	7.85	126
KAFB-106250-447	Q2 2021	4/22/2021	9.2	19.28	0.00	721	6.18	0
KAFB-106251-443	Q2 2021	4/22/2021	0.0	16.52	0.00	584	5.78	183
KAFB-106252-425	Q2 2021	3/23/2021	6.27	18.3	7.78	685	7.77	355
KAFB-106S10	Q2 2021	4/19/2021	6.86	19.5	0.43	754	7.17	-100.4
	Q1 2021	1/15/2021	2.03	17.3	1.82	519.6	7.36	186.1
KAFB-3411	Q2 2021	4/13/2021	3.51	20	2.33	388.4	7.69	382.1
	Q4 2020	10/2/2020	1.28	23.9	1.74	364.4	7.71	165.2
	Q2 2020	4/24/2020	1.17	20.0	3.02	365.0	7.87	261.1

[a] Specific conductance not collected at this location in Q2 2020 and Q1 2021.

°C = degrees Celsius
µS/cm = microSiemens per centimeter
DO = dissolved oxygen
ID = identification
mg/L = milligram per liter
NA = not applicable
mV = millivolt
NTU = nephelometric turbidity unit
ORP = oxidation reduction potential
Q1 = first quarter
Q2 = second quarter
Q3 = third quarter
Q4 = fourth quarter
Spec. Cond. = specific conductivity
S.U. = standard unit

APPENDIX H-4

Groundwater Sample Chain-of-Custody

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-001-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)													
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO		COMMENTS
1	GW001-212	4/27/21	11:47	7				2	1	1*	1	1	1				

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Associated with ER 212-03
1807B-710

SAMPLER(S): J.M.

TB212-66

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-27-21	1800	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

COURIER AND SHIPPING NUMBER: FedEx 7735 6754 3829

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-002-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW002-212	4-15-2021	2PM 1400	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 58

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2873

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-16-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-003-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW003-212	4/7/2021	11:04	10	—	3	—	2	1	1*	1	1	1	—	—	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP : 18C7B-919
ASSOCIATED W/ ER 212-01
TB212-28

SAMPLER(S): J. MESSENGER
COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5034

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/7/2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-004-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW004-212	4/8/2021	1253	10	—	3	—	2	1	1*	1	1	1	—	—	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

PUMP: 1807B-919

ASSOCIATED W/ ER212-01

TB212-33

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4818

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. MESSENGER	4/8/2021		Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-005-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW005-212	04-21-21	1331	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Pump # 1807B-919
Associated with ER212-01

TB212- 64

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7735 2410 4390

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger	4-22-21	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-006-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW006-212	4-23-2021	1625	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Associated with: ER212-03
Pump SN: 1807B-710

TB212-65

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7735 3831 8697

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D. Schmeelk	4-23-2021	1920 ~~1625~~	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-007-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW007-212	4/14/2021	0847	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

PUMP: 1807B-919

ASSOCIATED W/ ER212-01

TB212-51

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 4169 9885

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/14/21				
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-008-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW008-212	4-20-21	1312	10	–	3	–	2	1	1*	1	1	1			
2	GW008-612	4-20-21	1312	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Associated with ER212-02
Pump: 1807B-902

TB212-63

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7735 1339 5054

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Joshua Messenger	4-21-21	1700	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-009-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW009-212	4-28-21	0922	10	-	3	-	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Associated with ER 212-03

1807B-710

TB212-68

SAMPLER(S): JM

COURIER AND SHIPPING NUMBER: FedEx 7735 7739 1756

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J Messenger	4-28-2021	1500			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-010-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW010-212	04-21-21	0942	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered Pump #: 1807B-902 Associated with ER 212-02

TB212- 62

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7735 1339 8143

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Josh Messenger	04-21-2021	1700	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-011-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW011-212	4-2-21	1532	10	-	3		2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 06

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7706

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger	4-2-21	1836			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-012R-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW012R-212	4/14/2021	1330	24	—	9	—	6	3	3*	1	1	1	—		Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe

PUMP: 18078-919
ASSOCIATED W/ ER212-01

SAMPLER(S): J. MESSENGER

TB212-52

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9896

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. MESSENGER	4/14/21	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-013-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW013-212	4/6/2021	09:22	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

PUMP: 1807B-919 ERZ12-01

TB212-21

SAMPLER(S): J. MESSENGER	COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5012	
RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
Printed Name and Signature: J. MESSENGER	4/6/2021 1730	Printed Name and Signature:	
Printed Name and Signature:		Printed Name and Signature:	
Printed Name and Signature:		Printed Name and Signature:	

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-014-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW014-212	4-20-2021	0938	10	–	3	–	2	1	1*	1	1	1			
2	GW014-612	4-20-2021	0938	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Associated with ER212-DZ
pump: 1807B-902

TB212-02

SAMPLER(S): J Messenger

COURIER AND SHIPPING NUMBER: FedEx 7735 1339 5143

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger	4-20-2021	1702			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-015-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

				ANALYSIS REQUIRED (Specify number of bottles)													
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW015-212	4-1-2021	1350	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

8156 5958 2320 TB212-

SAMPLER(S): D. Schmeak R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2810

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeak	4-1-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-016-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW016-212	4-15-2021	1240	7				2	1	1*	1	1	1			
2	GW016-612	4-15-2021	1240	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 56*

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2801

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-16-2021*	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-017-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW017-212	4-19-2021	0853	10	—		3	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-61

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 8596 2041

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Josh Messenger	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-018-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW018-212	4/26/21	1202	10	—	—	3	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Associated with ER212-83
1807B - 710

TB212- 67

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 773567543830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Josh Messenger	4-27-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-019-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW019-212	4/26/21	09:42	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Associated with ER212-03
1807B-710

TB212-66

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7735 6754 3829

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-27-21	1800	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-020-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW020-212	4/27/21	09:13	7	—			2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Associated with ER 212-03

180713-710

Please run Dissolved Fe, Mn, and Alkalinity from 250 mL HDPE (unfiltered), but prioritize Dissolved Fe, Mn.

SAMPLER(S): J. M.

TB212-66

COURIER AND SHIPPING NUMBER: FedEx 773567543829

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-27-21	1800	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-021-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW021-212	4-6-2021	1415	7				2	1	1*	1	1	1			

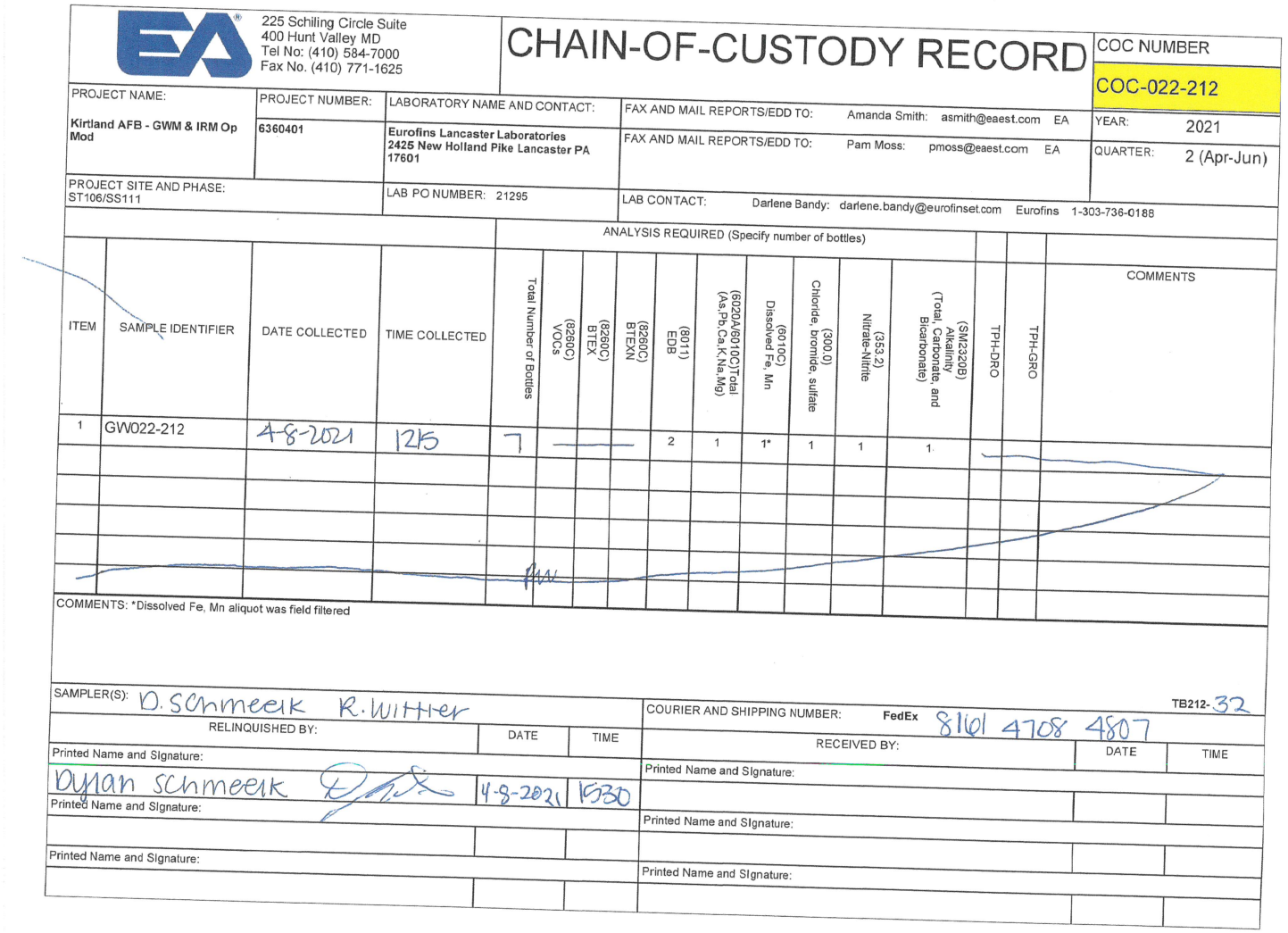
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Witthver

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5001

TB212-20

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-6-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-022-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW022-212	4-8-2021	1215	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Wittler

TB212-32

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4807

RELINQUISHED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-8-2021	1530
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		
Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-023-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021
				QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW023-212	4-9-2021	1145	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-38

SAMPLER(S): D.Schmeelk R.Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4862

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-024-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW024-212	4/7/2021	14:05	7				2	1	1*	1	1	1			

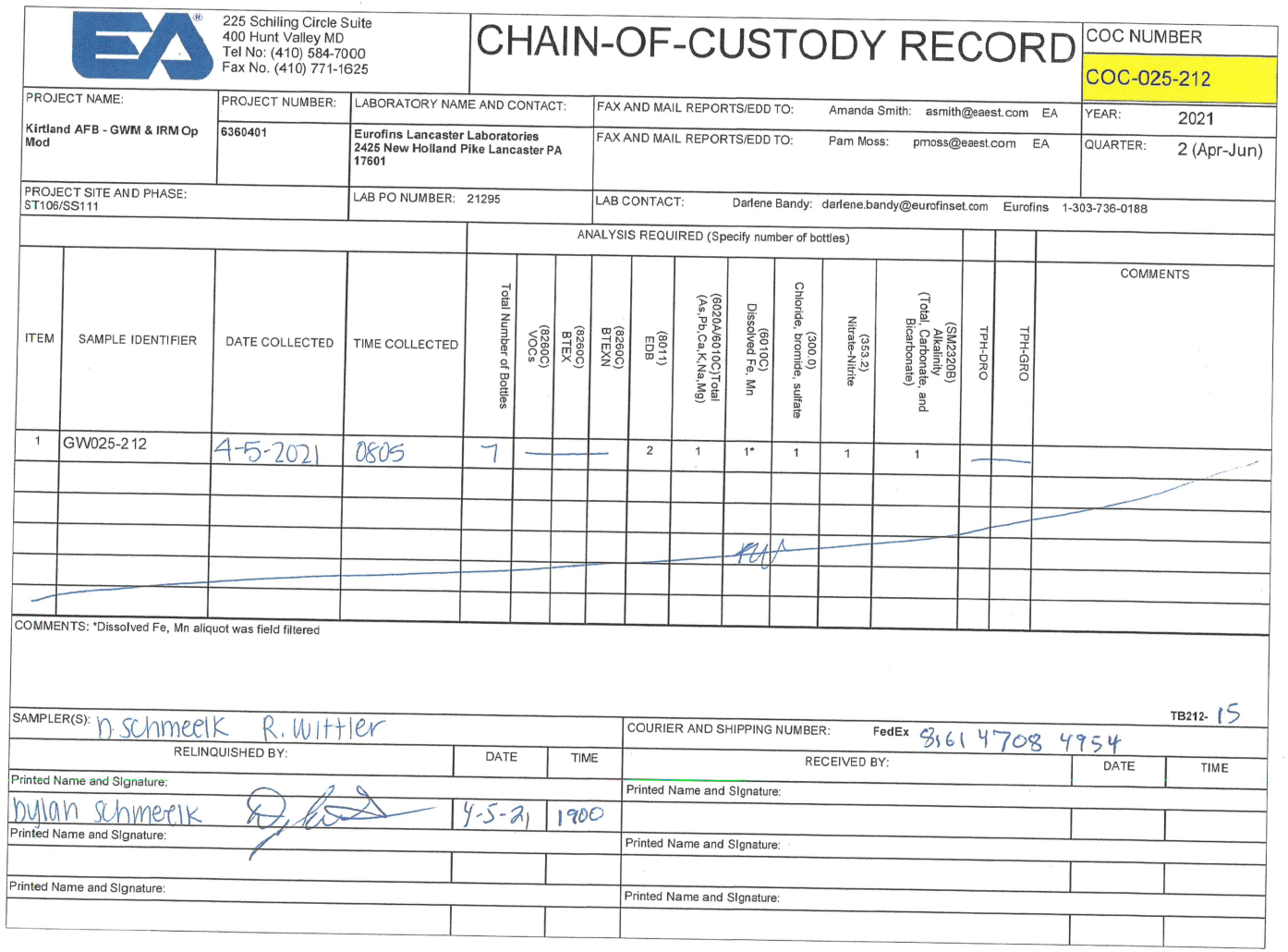
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 27

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8101 4708 4760

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/7/2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-025-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW025-212	4-5-2021	0805	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 15

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8361 4708 4954

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-5-21	1900	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-026-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW026-212	4-2-2021	1140	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 08

SAMPLER(S): D Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7761

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-027-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR: 2021
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	QUARTER: 2 (Apr-Jun)
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW027-212	4-2-21	1020	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-10

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7670

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-2-21	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-028-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW028-212	4-20-21	1623	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Assoc. with ER212-02

pump: 1807B-902

TB212-63

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7735 1339 5154

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Joshua Messenger	4-21-21	1700			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-029-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW029-212	4-6-2021	1050	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-19

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4998

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-6-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-030-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW030-212	4-6-2021	1015	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 19

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4998

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D. Schmeelk	4-6-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-031-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW031-212	4-6-2021	1157	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-19

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4998

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	1-6-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-032-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW032-212	4-8-2021	1051	15				6	3	3*	1	1	1			Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe

TB212-29

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4770

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-9-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-033-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW033-212	4-8-2021	1117	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk : R. Wither

TB212-30

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4781

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-8-2021		Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-034-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW034-212	4-8-2021	1137	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 30

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4781

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-8-2021		Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-035-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW035-212	4-9-2021	0822	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-35

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8110 1970 8530

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-9-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-036-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW036-212	4-9-2021	0841	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-35

SAMPLER(S): D.Schmeek R.Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeek	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-037-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW037-212	4-9-2021	0902	7				2	1	1*	1	1	1			
2	GW037-612	4-9-2021	0902	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-34

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4829

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-038-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW038-212	4/12/2021	0833	10	—		3	2	1	1*	1	1	1	—		

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Pump: 1807B-919
ASSOCIATED w/ ER212-01

TB212-47

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9841

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	14 4/12/2021 PM	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-039-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW039-212	4/12/2021	1132	15				6	3	3*	1	1	1			Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe

PUMP: 1807B-919
ASSOCIATED W/ ER212-01

TB212- 43

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8947

RELINQUISHED BY:	DATE	TIME	RECEIVED BY: 7734 2136	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/12/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-040-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW040-212	4/12/2021	1000	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP: 18078-919
ASSOCIATED W/ ER212-01

TB212- 44

SAMPLER(S): J. MESSENGER
COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8958

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/12/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-041-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW041-212	4-5-2021	0842	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 16

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4965

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-21	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-042-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW042-212	4-5-2021	0923	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-16

SAMPLER(S): D Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4965

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-5-21	1900	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-043-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW043-212	4-5-2021	0902	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-16

SAMPLER(S): D Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4965

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-5-21	1900	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-044-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW044-212	4-2-21	0905	7				2	1	1*	1	1	1			
2	GW044-612	4-2-21	0905	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-08

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7761

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-045-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW045-212	4/13/2021	1216	7	—			2	1	1*	1	1	1	—		

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

PUMP: 1807B-919

ASSOCIATED W/ ER212-01

TB212-51

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9885

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. MESSENGER	4/14/2021		Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-046-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW046-212	4-2-21	1145	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-10

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7670

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-2-21	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-047-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW047-212	4-2-21	1245	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-10

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7670

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
J. Messenger	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-048-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW048-212	4/14/2021	1514	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP: 1807B-919
ASSOCIATED W/ ER212-01

TB212- 55

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/14/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-049-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	ANALYSIS REQUIRED (Specify number of bottles) Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW049-212	4-8-2021	0800	7				2	1	1*	1	1	1			

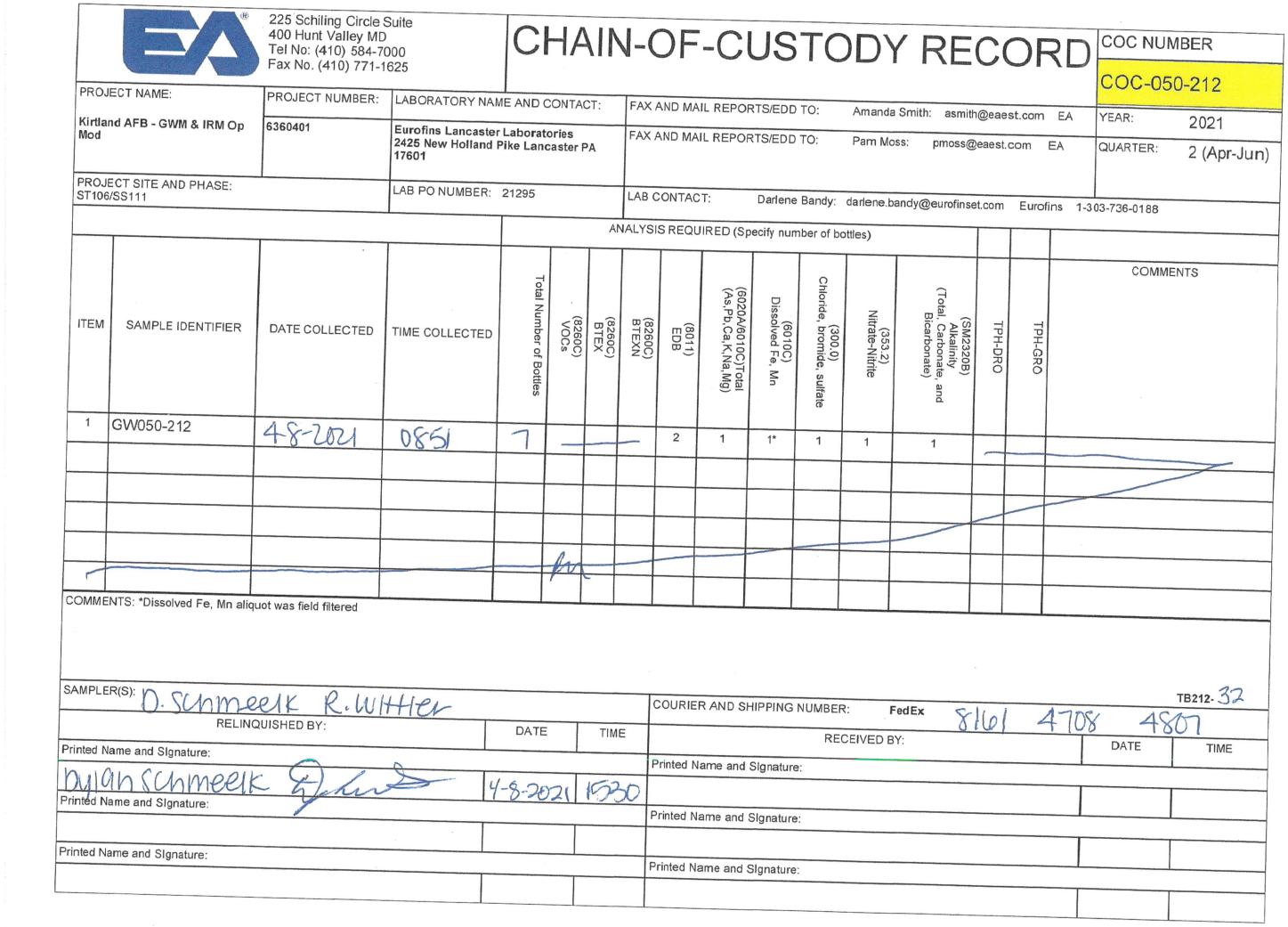
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeek R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4807

TB212-32

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeek	4-8-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-050-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	ANALYSIS REQUIRED (Specify number of bottles) Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW050-212	4-8-2021	0851	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4807

TB212-32

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-8-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-051-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW051-212	4-8-2021	0822	7				2	1	1*	1	1	1			
2	GW051-612	4-8-2021	0822	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-31

SAMPLER(S): D.Schmeelk R.Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4792

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-8-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-052-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW052-212	4-8-2021	MHO 1011	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Wittler

TB212-3

RELINQUISHED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-8-2021	1530
Printed Name and Signature:		
Printed Name and Signature:		

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4792

RECEIVED BY:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		
Printed Name and Signature:		

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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-053-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	ANALYSIS REQUIRED (Specify number of bottles) Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW053-212	4-8-2021	0950	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Wittler

TB212- 30

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4781

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-8-2021		Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-054-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW054-212	4-8-2021	0927	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-38

SAMPLER(S): D Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4709 4868 2

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-055-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW055-212	4-5-2021	1725	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-13

SAMPLER(S): D Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5137

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-2021	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-057-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW057-212	4-5-2021	1200	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-13

SAMPLER(S): D Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5137

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-5-21	1900	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-058-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW058-212	4-5-2021	1132	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 14

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 ~~5137~~ 4943

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-21	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-059-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW059-212	04-22-21	C928	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP S/N: 18078-9A9
ER 212-01

TB212- 64

SAMPLER(S): JM

COURIER AND SHIPPING NUMBER: FedEx 7735 2410 4390

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-22-21	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-060-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR: 2021
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW060-212	4/7/2021	12:52	10	—	3	—	2	1	1*	1	1	1	—	—	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

~~PUMP~~ KC 4/7/2021

TB212- 28

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5034

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/7/2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-061-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW061-212	4/13/2021	1539	10	—	3	—	2	1	1*	1	1	1	—	—	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Pump: 1807B-919
ASSOCIATED W/ ER212-01

TB212- 47

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9841

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. MESSENGER	4/14/2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-062-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW062-212	4-2-2021	1358	10	–	3		2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 06

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7706

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-063-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW063-212	4-1-21	0912	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 04

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2820

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger	4-1-21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-064-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW064-212	4-1-21	0920	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-04

SAMPLER(S): J. Messenger
COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2820

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger	4-1-21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-065-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW065-212	4-16-2021	1212	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-57

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2812

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-16-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-066-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW066-212	4-16-2021	1338	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 57

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2812

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J Messenger	4-16-2021	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-067-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW067-212	4-16-2021	~~1020~~ 1029	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 57

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2812

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-16-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-068-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW068-212	4/6/2021	1333	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

~~PUMP~~ KC 4/6/2021

~~ASSOCIATE~~ KC 4/6/2021

TB212- 21

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5012

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/6/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-069-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW069-212	4/26/21	15:33	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Associated with ER212-03
1807B-710

TB212-67

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 773567 543830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-26-21	1800	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-070-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW070-212	4-12-2021	0935	7				2	1	1*	1	1	1			
2	GW070-612	4-12-2021	0935	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 41

SAMPLER(S): D. Schmeck R. Witter

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8925

RELINQUISHED BY: Printed Name and Signature	DATE	TIME	RECEIVED BY: Printed Name and Signature	DATE	TIME
Dylan Schmeck	4-12-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-071-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW071-212	4-12-2021	1023	7				2	1	1*	1	1	1			
			RW													

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-40

SAMPLER(S): D. Schmeelk K. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4884

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-12-21	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-072-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW072-212	4-12-2021	1005	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-40

SAMPLER(S): D.Schmeelk R.Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4884

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-12-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-073-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW073-212	4/15/2021	0840	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Pump SN: 18078-919
Associated with ER212-01

TB212- 56

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2801

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/16/2021	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-074-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW074-212	4/15/2021	1030	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
pump: 18078-919
Associated with ER212-01

TB212-58

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2823

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/16/2021	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-075-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW075-212	4/29/2021	~~1333~~ 1332	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Associated with ER212-04
Pump SN: 1807B-752

TB212-69

SAMPLER(S): ~~J. MESSENGER~~ D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7735 9228 1112

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
~~J. MESSENGER~~ D. Schmeelk	4/29/2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-076-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW076-212	4-23-2021	1345	10	—	3	—	2	1	1*	1	1	1			
2	GW076-612	4-23-2021	1345	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Associated with: ER212-03
Pump SN: 1807B-710

TB212-65

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7735 3831 8697

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-23-2021	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-077-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW077-212	4/14/2021	1017	10	—	3	—	2	1	1*	1	1	1	—	—	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP: 1807B-919
ASSOCIATED W/ ER212-01

TB212-55

SAMPLER(S): J. MESSENGER	COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9822			
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/14/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-078-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021
				QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW078-212	4-19-2021	1011	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-61

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 8596 2041

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Josh Messenger	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-079-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW079-212	04-22-21	1319	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Pump SN: 186783-919
ER: 212 [illegible]

TB212-64

SAMPLER(S): JM

COURIER AND SHIPPING NUMBER: FedEx 7735 2410 4390

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-22-21	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-080-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW080-212	4/27/21	14:40	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
Associated with ER 212-03
1807B-710

TB212-68

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7735 7739 1756

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-28-2021	1500	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-081-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW081-212	4/14/2021	1203	10	—	3	—	2	1	1*	1	1	1	—	—	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP: 18078-919
ASSOCIATED W/ ER212-01

TB212- 55

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9922

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and SIgnature:			Printed Name and SIgnature:		
J. MESSENGER	4/14/2021	1730			
Printed Name and SIgnature:			Printed Name and SIgnature:		
Printed Name and SIgnature:			Printed Name and SIgnature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-082-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW082-212	4/9/2021	0858	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

pump: 1807B-919
Associated with ER212-01

TB212-38

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4862

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/9/2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-083-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW083-212	4/9/2021	1050	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP: 18078-919
ASSOCIATED W/ ER212-01

TB212-34

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4829

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/9/2021	1000			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-084-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW084-212	4/9/2021	1237	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

PUMP: 1807B-919

ASSOCIATED W/ ER212-01

TB212-35

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/9/2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-085-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW085-212	4-12-2021	0845	7				2	1	1*	1	1	1			
2	GW085-612	4-12-2021	0845	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 42

SAMPLER(S): D.Schmeak R.Witter

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8936

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeak	4-12-21	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-086-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW086-212	4-12-2021	0825	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 42

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8936

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-12-21	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-087-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

				ANALYSIS REQUIRED (Specify number of bottles)													
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW087-212	4-12-2021	0802	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 41

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8925

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-12-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-088-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW088-212	4-12-2021	1100	7				2	1	1*	1	1	1			
		B														

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-39

SAMPLER(S): D.Schmeelk R.Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4873

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-12-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-089-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRMOp Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW089-212	4-12-2021	1120	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeltz R. Wittler

TB212- 39

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4873

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeltz	4-12-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-090-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)													
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW090-212	4-12-2021	1151	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schweelk, R. Wittler

TB212- 39

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4873

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweelk	4-12-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-091-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW091-212	4-7-2021	1111	7				2	1	1*	1	1	1			
2	GW091-612	4-7-2021	1111	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-26

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4759

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-092-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW092-212	4-7-2021	1205	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-27

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4760

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-093-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW093-212	4-7-2021	1140	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-27

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4760

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-7-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-094-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW094-212	4-16-2021	0856	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): J Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2823

TB212-58

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-16-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-095-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW095-212	4/12/2021	1346	15				6	3	3*	1	1	1			Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe

Pump: 1807B-919
Associated w/ ER212-01

TB212- 45

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8969

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/12/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-096-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW096-212	4/12/2021	1522	7				2	1	1*	1	1	1			
2	GW096-612	4/12/2021	1522	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

PUMP: 18078-919

ASSOCIATED W/ ER212-01

TB212- 44

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8958

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/12/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-097-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW097-212	4/7/2021	0850	10	—	3	—	2	1	1*	1	1	1	—	—	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP: 1807B-919
ASSOCIATED W/ ER212-01

TB212-28

SAMPLER(S): J. MESSENGER			COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5034		
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/7/2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-098-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW098-212	4/6/2021	11:13	10	—	3	—	2	1	1*	1	1	1	—		

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

PUMP: 1807B-919

ASSOCIATED W/ ER212-01

TB212- 18

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4987

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/6/21	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-099-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA	YEAR: 2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	ANALYSIS REQUIRED (Specify number of bottles) Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW099-212	4/8/2021	1049	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP: 1807B-919
ASSOCIATED W/ ER212-01

SAMPLER(S): J. MESSENGER

TB212-33

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4818

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME
J. MESSENGER	4/8/2021	1530
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY: Printed Name and Signature:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-100-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW100-212	4/8/2021	0900	10	—	3	—	2	1	1*	1	1	1	—	—	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered
PUMP: 1807B-919
ASSOCIATED W/ ER212-01

TB212-33

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4818

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/8/2021	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-101-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW101-212	4/5/2021	16:32	10	—	3	—	2	1	1*	1	1	1	—		

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

pump: 18078-919 ER212-01

TB212-18

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4987

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/6/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-102-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021
				QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	ANALYSIS REQUIRED (Specify number of bottles) Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW102-212	4/5/2021	13:52	10	—	3	—	2	1	1*	1	1	1	—		

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Associated with ER212-01 pump: 1807B-919

TB212-18

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4987

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. MESSENGER	4/6/2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-103-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW103-212	4-9-2021	1130	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-37

SAMPLER(S): D.Schmeelk R.Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4851

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-104-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW104-212	4-9-2021	1111	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-37

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4851

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-9-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-105-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW105-212	4-7-2021	0935	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 26

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4759

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-7-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-106-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW106-212	4-7-2021	1000	7		—		2	1	1*	1	1	1			
2	GW106-612	4-7-2021	1000	7		—		2	1	1*	1	1	1			

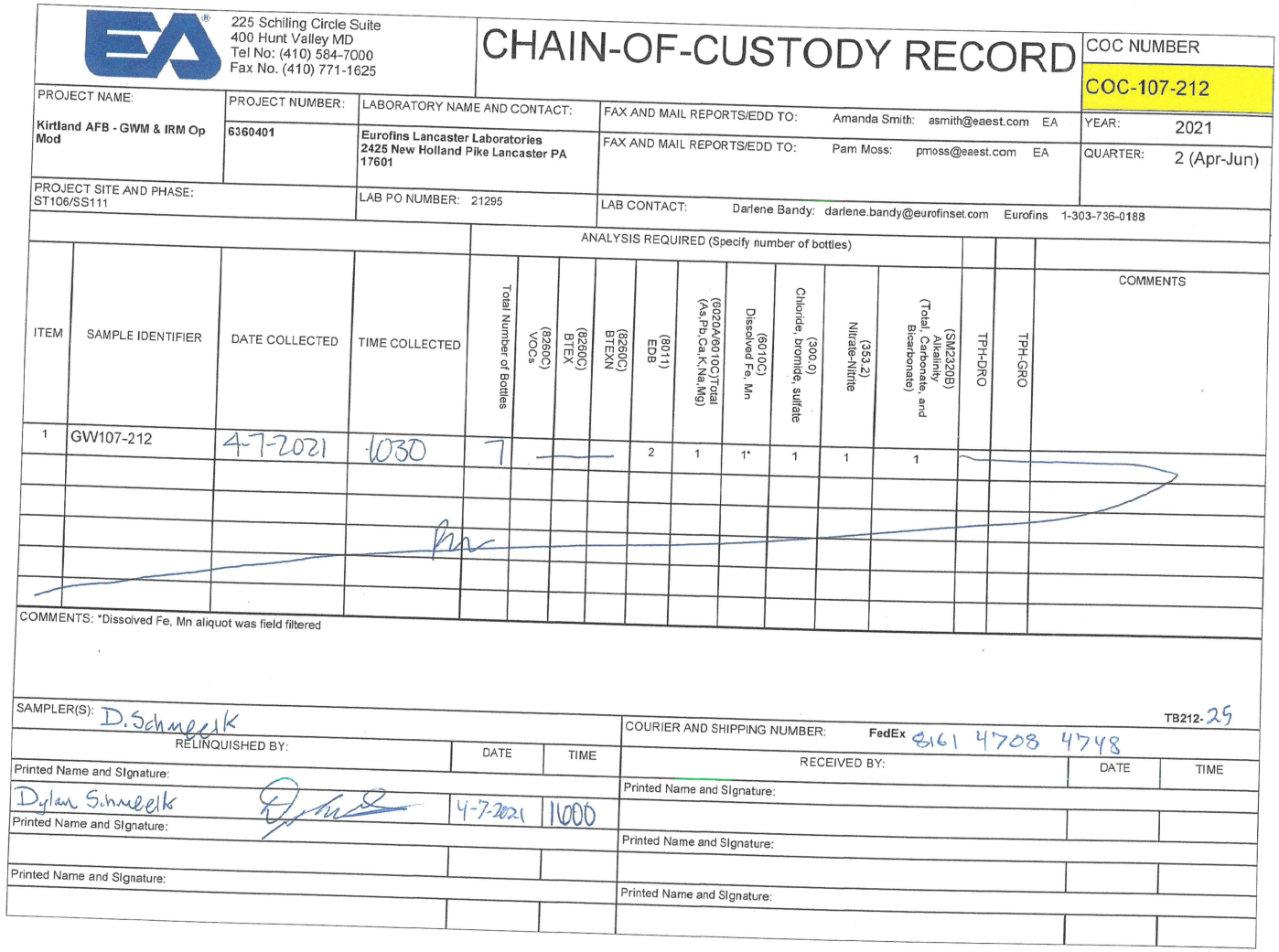
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 25

SAMPLER(S): D.Schmeelk R.Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4748

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-7-2021	1000			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-107-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW107-212	4-7-2021	1030	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schneelk

TB212-25

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4748

RELINQUISHED BY:	DATE	TIME
Printed Name and Signature: Dylan Schneelk	4-7-2021	1000
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		
Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-149-484-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW149-484-212	4-14-2021	1247	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 53

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9900

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4/14/2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-151-484-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW151-484-212	4-14-2021	1702	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-53

SAMPLER(S): D-Schmeck

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9900

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeck	4-14-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-152-484-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW152-484-212	4-14-2021	1042	10	–	3	–	2	1	1*	1	1	1			
			RW													

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 53

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9900

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-14-202	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-153-484-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW153-484-212	4-26-2021	0851	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 67

SAMPLER(S): D. Schweelb

COURIER AND SHIPPING NUMBER: FedEx 773567543930

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweelb	4-27-21	1800	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-201-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW201-212	4-1-2021	0830	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 01

SAMPLER(S): Dylan Schmeelk Riley Wittler

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2794

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schmeelk	4-1-21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-202-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW202-212	4-1-2021	0900	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 01

SAMPLER(S): D. Schmeek R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2794

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeek	4-1-21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-203-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW203-212	4-1-2021	0920	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-01

SAMPLER(S): D Schmeelk. R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8156 5959 2794

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-1-21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-204-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW204-212	~~RW~~ 4-2-2021	1320	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-11

SAMPLER(S): R. Wittler D Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7680

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-2-21	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-205-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW205-212	4-2-2021	1250	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-11

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7680

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-2-2021	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-206-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW206-212	4-2-2021	1722	7	—	—	—	2	1	1*	1	1	1	—		

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 11

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7680

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-207-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW207-212	4-1-2021	1200	15				6	3	3*	1	1	1			Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe

TB212- 05

SAMPLER(S): D. Schweik

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2831

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D. Schweik	4-1-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-208-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW208-212	4-1-2021	1240	7				2	1	1*	1	1	1			
2	GW208-612	4-1-2021	1240	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- Ø3

SAMPLER(S): R. Wittler. D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2810

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-1-21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-209-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW209-212	4-1-2021	1312	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-03

SAMPLER(S): D. Schweelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2810

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D. Schweelk	4-1-21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-212-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW212-212	4-9-2021	0800	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-36

SAMPLER(S): D Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4208 4840

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Brian Schmeelk	4-9-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-213-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW213-212	4-9-2021	1022	7				2	1	1*	1	1	1			

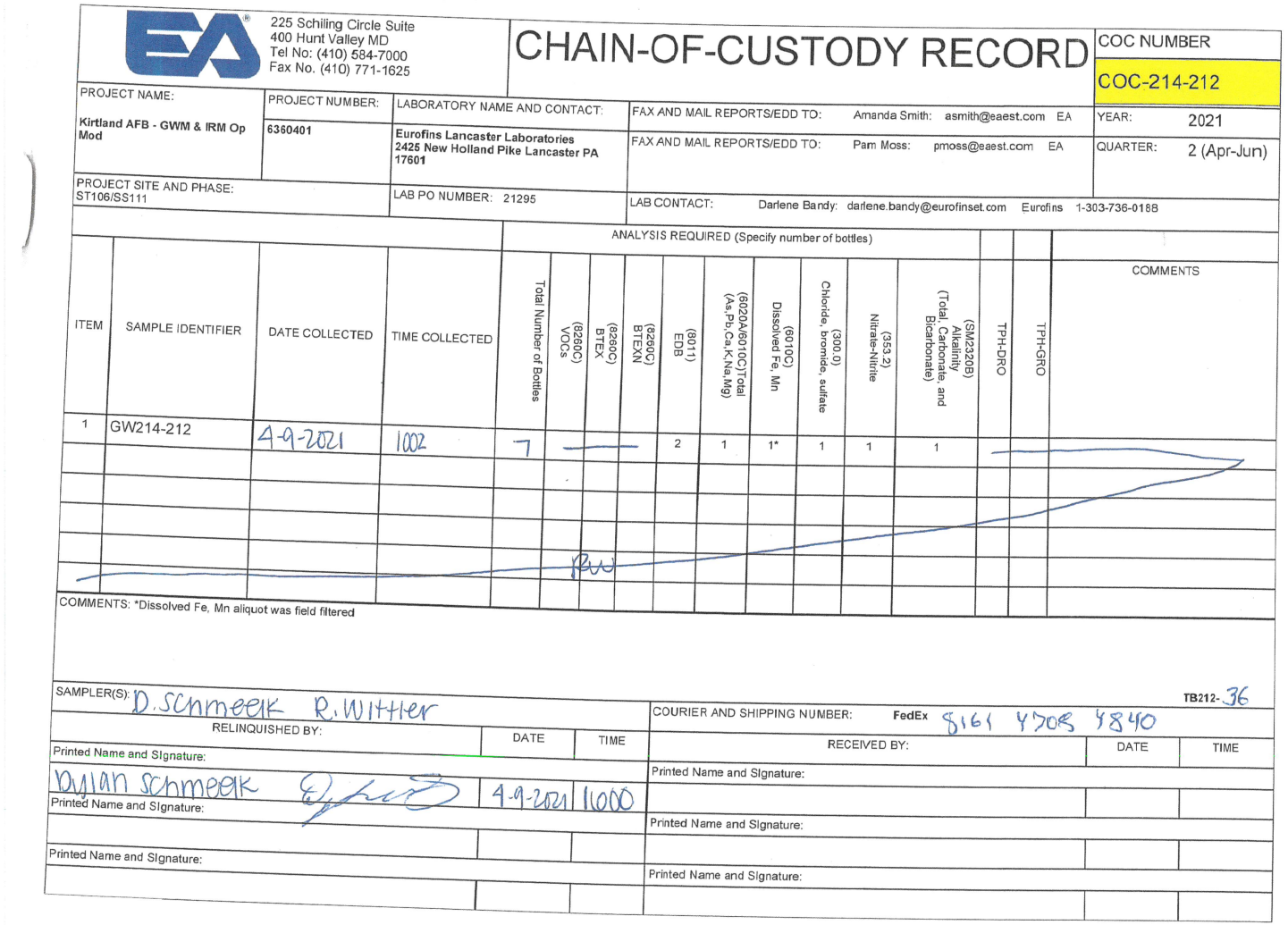
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D Schmeek R. Witter

TB212- 36

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4840

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeek	4-9-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-214-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA	YEAR: 2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW214-212	4-9-2021	1002	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-36

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4840

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-9-2021	1000			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-215-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW215-212	4-9-2021	0942	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-37

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4851

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-9-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-216-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW216-212	4-2-2021	0855	15	—		—	6	3	3*	1	1	1	—		Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe

TB212-07

SAMPLER(S): D.Schmeelk R.Wither

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7717

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-2-2021	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-217-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW217-212	4-2-2021	0830	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Wittler

TB212-09

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7772

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-2-21	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-218-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW218-212	4-2-2021	0810	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-09

SAMPLER(S): R. Wittler D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7772

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-2-2021	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-219-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021
				QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW219-212	4-1-2021	1040	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 02

SAMPLER(S): R. Wittler D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2809

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-1-21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-220-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW220-212	4-1-2021	1015	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-02

SAMPLER(S): R. Wittler D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2809

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-1-21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-221-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW221-212	4-1-2021	~~RW~~ 1110	7				2	1	1*	1	1	1			

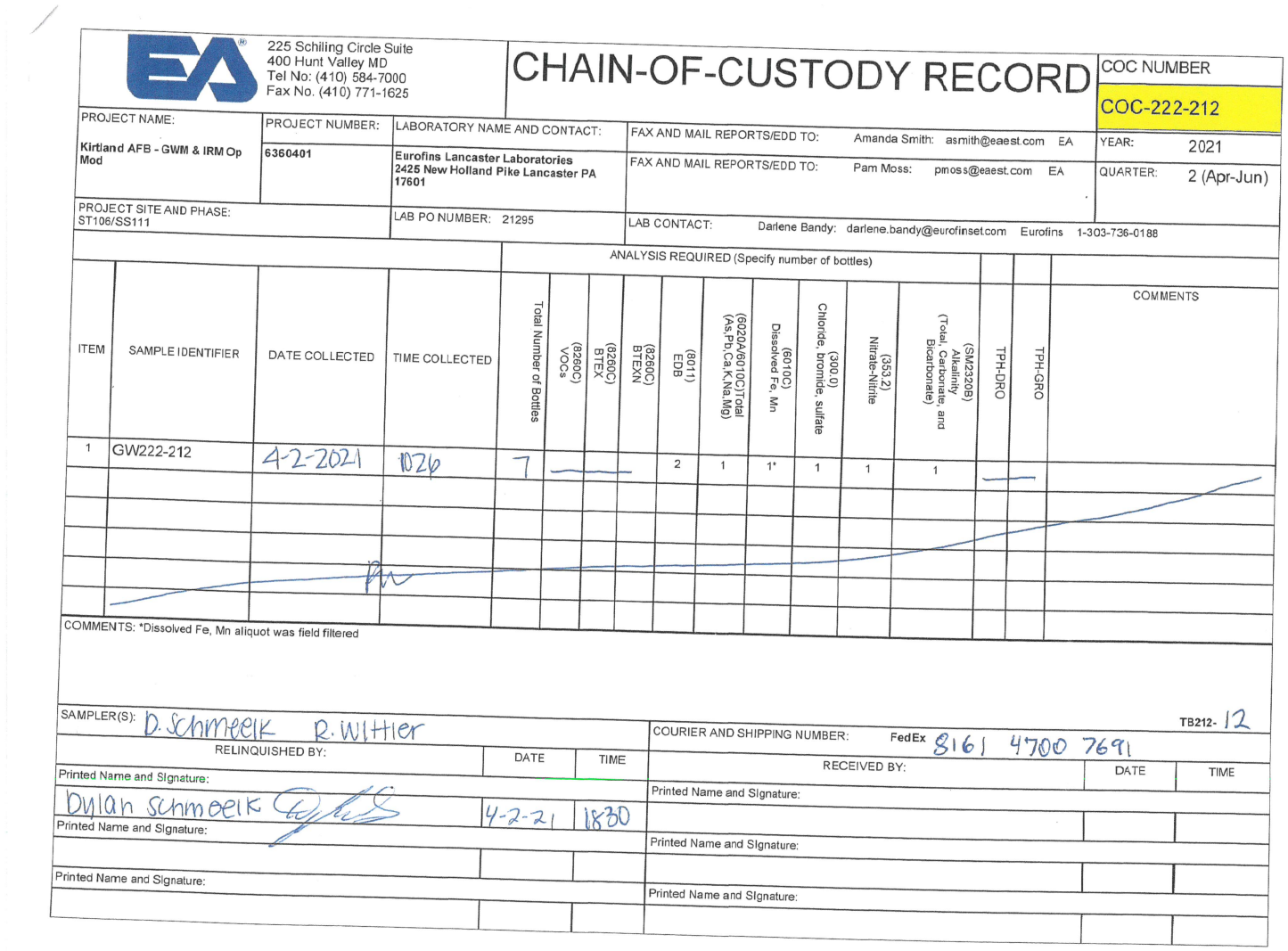
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 02

SAMPLER(S): R. Wittler D. Schmeltz

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2809

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeltz	4-1-21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-222-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA	YEAR: 2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW222-212	4-2-2021	1026	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Wittler

TB212- 12

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7691

RELINQUISHED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-2-21	1830
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		
Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-223-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW223-212	4-2-2021	1000	7				2	1	1*	1	1	1			

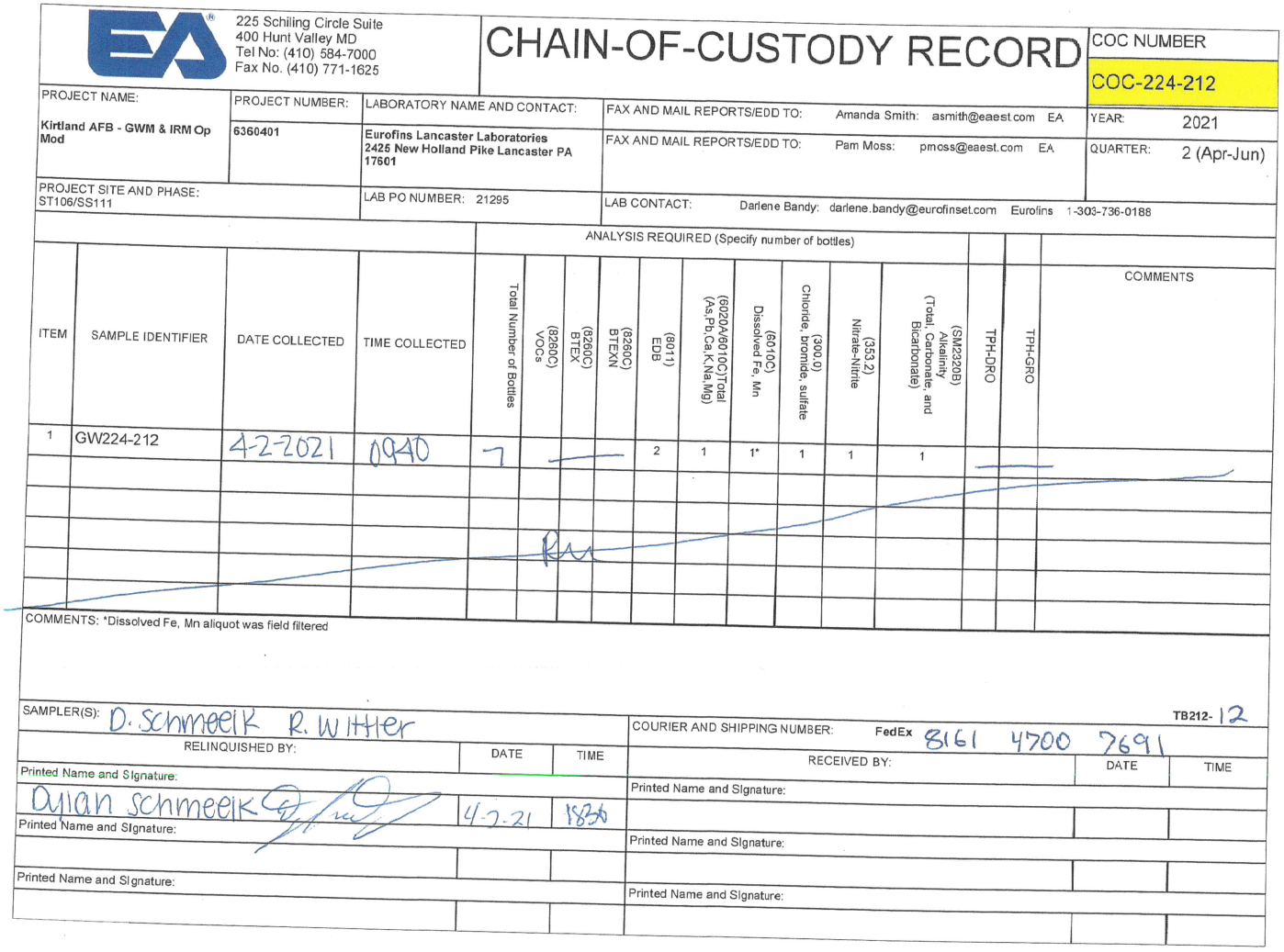
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 12

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7691

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-2-21	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-224-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW224-212	4-2-2021	0940	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-12

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7691

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-2-21	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-225-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW225-212	4-5-2021	0955	7				2	1	1*	1	1	1			
2	GW225-612	4-5-2021	0955	7				2	1	1*	1	1	1			

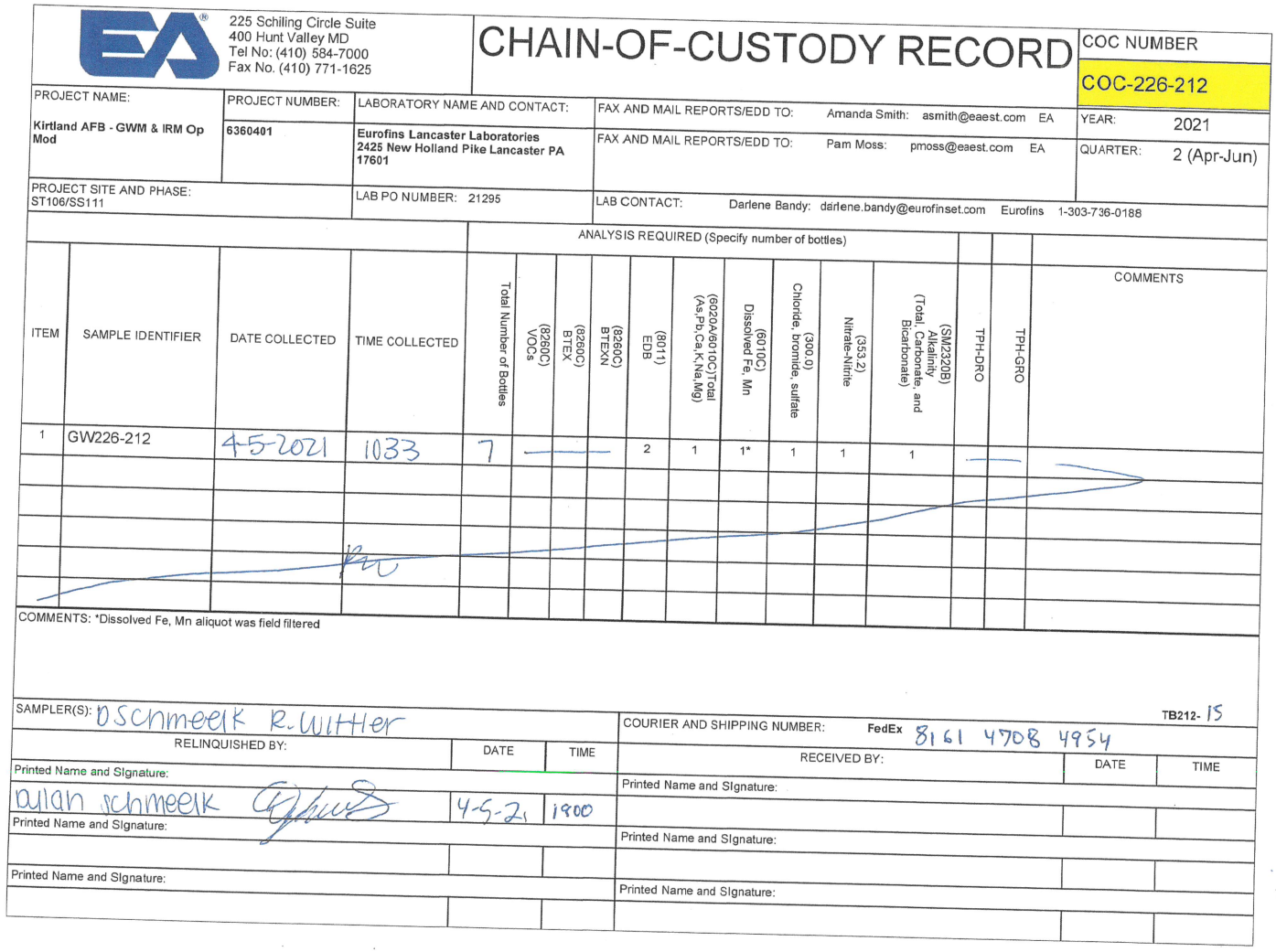
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 14

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4943

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-21	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-226-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW226-212	4-5-2021	1033	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): DSchmeelk R.Wilther

TB212- 15

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4954

RELINQUISHED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-5-21	1900
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		
Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-227-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW227-212	4-5-2021	1055	7				2	1	1*	1	1	1			

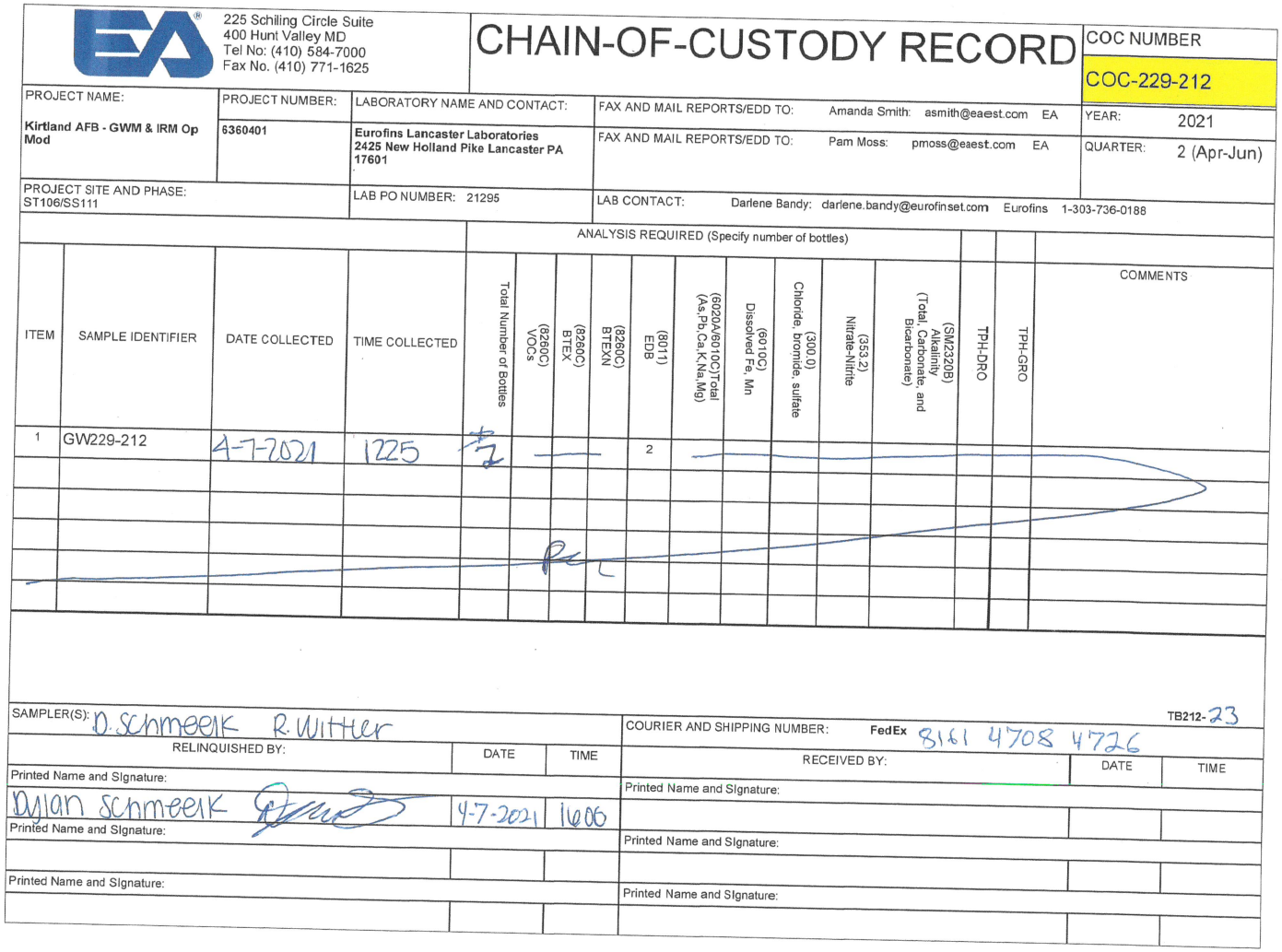
COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 15

SAMPLER(S): R. Wittler B. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4954

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-21	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-229-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW229-212	4-7-2021	1225	2				2								

SAMPLER(S): D. Schmeelk R. Witter

TB212-23

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4726

RELINQUISHED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-7-2021	1606
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		
Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-230-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR: 2021
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW230-212	2-4-2021	1103	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-09

SAMPLER(S): R. Wittler D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7772

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-2-21	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-231-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW231-212	4-6-2021	1302	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 20

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5001

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-6-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-232-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW232-212	4-6-2021	1240	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-21

SAMPLER(S): D Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5012

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-6-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-235-438-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW235-438-212	4-6-2021	0830	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 23

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4726

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-7-2021	1000			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-235-472-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW235-472-212	4-6-2021	0852	15				6	3	3*	1	1	1			Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe

TB212- 22

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5023

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-6-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-235-501-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW235-501-212	4-6-2021	0921	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-23

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4726

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-236-436-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)													
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS	
1	GW236-436-212	4-7-2021	0815	7				2	1	1*	1	1	1				

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-24

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4737

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-236-470-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW236-470-212	4-7-2021	0830	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-24

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4737

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-7-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-236-499-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW236-499-212	4-7-2021	0850	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-24

SAMPLER(S): D. Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4737

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-240-449-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW240-449-212	4-13-2021	1458	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 50

SAMPLER(S): D.Schmeelk R.Witter

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9874

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-14-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-241-428-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW241-428-212	MS 4-5-2021	1248	7				2	1	1*	1	1	1			
							DW									

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-13

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5137

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-21	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-242-418-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW242-418-212	4-6-2021	1347	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 20

SAMPLER(S): D. Schmeelk R. Wilhier

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5001

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-6-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-243-425-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW243-425-212	4-12-2021	1219	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 40

SAMPLER(S): D. Schweelk, R. Wittles

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4584

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-12-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-244-445-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW244-445-212	4-13-2021	1445	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 48

SAMPLER(S): D.Schmeelk R.Witter

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9852

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-14-21	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-245-460-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW245-460-212	4-13-2021	1145	10	-	3	-	2	1	1*	1	1	1			

PLN

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 48

SAMPLER(S): D.Schmeelk R.Wittler

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9852

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-14-21	1735	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-247-450-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GW247-450-212	4-13-2021	1217	10	-	3	-	2	1	1*	1	1	1			

RW

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Witter

TB212- 48

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9852

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-14-21	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-248-452-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	GW248-452-212	04/05/21	11:05	15	3			2	1	1*	1	1	1	2	3	
2	GW248-452-612	04/05/21	11:05	15	3			2	1	1*	1	1	1	2	3	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Associated with ER212-01
Pump SN: 1807B-919

TB212-17

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4976

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	4/05/21	1906			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Groundwater- Chain of Custody Record & Analytical Service Request

Page 1 of 1

Laboratory Contact Info: Eurofins Scientific, Darlene Brandy, Phone: 303-736-0188 Email: Darlene.Brandy@Eurofinset.com	Waybill #	COC #: **KAFB-US01030-0221**
	Requested Turnaround Time in Business Days (Surcharges) please circle: 1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard	Lab Project No. 41004405
Company Name & Address (Reporting Information): Sundance Consulting, Inc., 8210 Louisiana Blvd Suite C, Albuquerque, NM 87113	PO/Billing Information: Sundance Consulting, Inc., 305 N 3rd Ave. Suite B, Pocatello, ID 83201	Project Name: KAFB Data Gap Well Installation
		Project Number: US01-030
Project Manager: Rachel Hobbs; Phone: 505-835-7660; Fax: N/A; Email Address for Result Reporting: rhobbs@sundance-inc.net	Sampler Name/Signature: Riley Witther	Analytical Methods:

Client Sample ID	Sample Description/ Location	Date Collected	Time Collected	Sample Matrix	No. of Containers	EDB by 8011 (2 x 40 ml VOA, HCL)	TPH DRO/ORO by 8015D (2 x 250 ml Amber Glass, HCL)	Total Metals Ca, K, Mg, Na/ Total Metals Arsenic, Lead by 6010C and 6020A (1 x 250 ml Plastic, Nitric Acid)	Chloride, Bromide, Sulfate by 300 (1 x 50 ml Plastic, None)	TPH GRO by 8015D (3 x 40 ml VOA, HCL)	Dissolved Metals Iron and Manganese by 6010C (1 x 250 ml Plastic, Nitric Acid)	Nitrogen-Nitrate/Nitrite by 353.2 (1 x 250 ml Plastic, Sulfuric Acid)	VOCs by 8260C (3 x 40 ml VOA, HCL)	Alkalinity-Bicarbonate/Carbonate by 2320B (1 x 250 ml Plastic, None)	Comments e.g. specific instructions
GW249-450-212	GRAB	4-21-2021	1550	GW	15	X	X	X	X	X	X	X	X	X	Dissolved metals are field filtered
GW250-447-212	GRAB	4-22-2021	1057	GW	15	X	X	X	X	X	X	X	X	X	Dissolved metals are field filtered
GW250-447-212-MS/MSD	GRAB	4-22-2021	1057	GW	30 ~~15~~ RW	X	X	X	X	X	X	X	X	X	2X each analyte Dissolved metals are field filtered
GW251-443-212	GRAB	4-22-2021	0905	GW	15	X	X	X	X	X	X	X	X	X	Dissolved metals are field filtered
GW251-443-612	GRAB	4-22-2021	0905	GW	15	X	X	X	X	X	X	X	X	X	Dissolved metals are field filtered
GWTB01-212	TB	4-20-2021	1200	AQ	6	X	—	—	—	X	—	—	X	—	For TB, only two VOAs for GRO and VOCs
GWTB02-212	TB	4-20-2021	1200	AQ	6	X	—	—	—	X	—	—	X	—	For TB, only two VOAs for GRO and VOCs
							RW								

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____ Tier III (Results + QC & Calibration Summ
Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) 10% Surch

EDD required (Yes) / No

Type: _____

Chain of Custody Seal: (Circle)

Units: (INTACT) BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date: 4-22-2021	Time: 1330	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____°C

225 Schilling Circle Suite 400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: 252-425-211 / COC: ~~S10-204~~

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA	YEAR:
Kirtland AFB Bulk Fuels Facility	62735DM02	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2020
				QUARTER: 4 (Oct-Dec)
PROJECT SITE AND PHASE: ST106/SS110	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Brandy darlene.brandy@eurofinset.com Eurofins 1 (303) 736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (8260C)	~~BTEX~~ (8260C) GRO 8015/D	~~Arsenic~~ (8260C) DRO 8015/D	EDB (8011)	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved (Al, Ba, Ca, Fe, Mg, Mn, K, Na, As, Sr) (6020A/6010C)	Nitrate/Nitrite E353.2 Silica (as SiO2) (SM4500-SiO2-C)	Alkalinity (Total, Carbonate, and Bicarbonate) (SM2320B)	E300.0A Sulfate Chloride, Bromide,	COMMENTS
1	~~GWS10-204~~ GW252-425-211	3-23-2021	1341	15	3	3	2	2	1	1	1	1	1	
2														
3														
4														
5														
6														

~~Please add Fe and MN to total metal analysis.~~
* Dissolved Metals was field filtered.

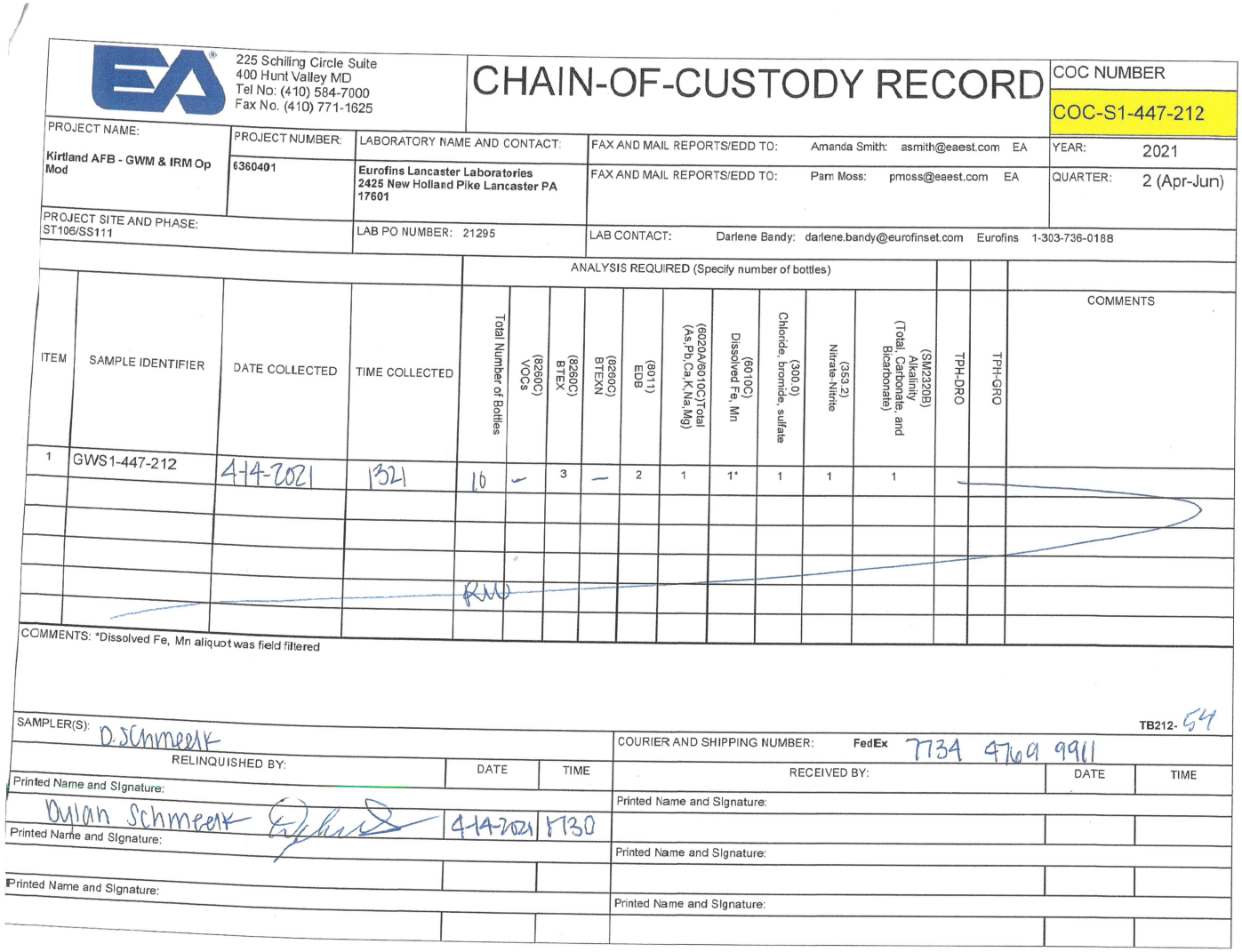
Pump SN: 1907B-919

TB211-30
~~TB204-~~

SAMPLER(S): D. Schweik

COURIER AND SHIPPING NUMBER: FedEx 7732 4484 4077

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D. Schweik	3-23-2021	1900	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S1-447-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	ANALYSIS REQUIRED (Specify number of bottles)												COMMENTS
				Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	
1	GWS1-447-212	4-14-2021	1321	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 54

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9911

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-14-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S2-451-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GWS2-451-212	4-14-2021	1004	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk R. Witter

TB212- 54

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9911

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4/14/2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S3-449-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GWS3-449-212	4-14-2021	0820	10	-	3	-	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 47

SAMPLER(S): D. Schmeelk R. Witter S. Miles

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9841

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-14-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S4-446-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GWS4-446-212	4-13-2021	1303	24	-	9	—	6	3	3*	1	1	1	—		Please see Comments for requested MS/MSD analyses
			RW													

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, and dissolved Mn and Fe

TB212-49

SAMPLER(S): D Schmeelk R. Witter

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9863

RELINQUISHED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-14-2021	1730
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		
Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S5-446-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GWS5-446-212	4-13-2021	1603	10	–	3	–	2	1	1*	1	1	1			
2	GWS5-446-612	4-13-2021	1603	10	–	3	–	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeelk K. Witter

TB212- 46

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-14-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S7-451-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GWS7-451-212	4-13-2021	1522	10	-	3	-	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212- 46

SAMPLER(S): D. Schmeak R. Witter

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeak	4-14-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S8-451-212

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	GWS8-451-212	4-14-2021	1352	10	—	3	—	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): D. Schmeltz

COURIER AND SHIPPING NUMBER: FedEx 7784 7694 9911

TB212-54

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeltz	4-14-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S9-447-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GWS9-447-212	4-14-2021	1120	10	-	3	-	2	1	1*	1	1	1			
2	GWS9-447-612	4-14-2021	1120	10	-	3	-	2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

TB212-50

SAMPLER(S): D. Schmeck

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9874

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeck	4-14-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S10-443-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	GWS10-443-212	4-19-2021	1422	39	9	—	—	6	3	3*	1	1	1	6	9	Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, dissolved Mn and Fe, TPH-GRO, and TPH-DRO

Pump SN: 1807-902

Volitiles and Semi-Volitiles included with TB212-59

TB212-59

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 8596 2020

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Josh Messenger	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-S10-443-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	GWS10-443-212	4-19-2021	1422	39	9	—		6	3	3*	1	1	1	6	9	Please see Comments for requested MS/MSD analyses

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Please run MS/MSD on the following analytes only:
VOCs/BTEX/BTEXN, EDB, Total As and Pb, dissolved Mn and Fe, TPH-GRO, and TPH-DRO

Pump SN: 1807-902

TB212-60

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 8596 2030

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Josh Messenger	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-3411-212

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	TPH-DRO	TPH-GRO	COMMENTS
1	GW3411-212	4/13/2021	1404	7				2	1	1*	1	1	1			

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered

Pump: 18078-919

ASSOCIATED w/ ER212-01

TB212- 51

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9885

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. MESSENGER	4/14/2021		Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-ER211-03

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	~~6360401~~ 62735DM02	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 1 (Jan-Mar)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	~~(8260C)~~ BTEX 8015C GRO	~~(8260C)~~ BTEX 8015C DRO	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	COMMENTS
1	ER211-03	3-23-2021	1121	11	3	3	2	2	1					

Please add Fe and Mn to total metal analysis.

Pump Serial Number: 1807B-919

Associated with: GW252-425-211

TB211-30

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7732 4484 4077

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schweelk	3-23-2021	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-ER212-01

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	ER212-01	04/05/2021	0827	11	3			2	1					2	3	

Please add Fe and Mn to total metal analysis.

Associated with Well: KAFB-106248

Pump Serial Number: 1807B-919

TB212-17

SAMPLER(S): J. MESSENGER

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4976

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. MESSENGER	04/05/21	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-ER212-02

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	ER212-02	4-19-2021	1146	11	3	—	—	2	1	—	—	—	—	2	3	

Please add Fe and Mn to total metal analysis.

Associated with Well: KAFB-106S10

Pump Serial Number: ~~1807B-902~~ 1807B-902

TB212-59

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 7734 8596 2020

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Josh Messenger	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-ER212-Ø3

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	ER212-Ø3	4-22-2021	1611	6	—	3	—	2	1	—						

Please add Fe and Mn to total metal analysis.

Associated with Well: KAFB-106019, 76 and KAFB-106006

Pump Serial Number: 1807B-710

TB212-65

SAMPLER(S): D. Schmeelk			COURIER AND SHIPPING NUMBER: FedEx 7735 3831 8697		
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-23-21	1900	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-ER212-04

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	ER212-04	4-28-2021	1228	6	—	3	—	2	1							

Please add Fe and Mn to total metal analysis.

Associated with Well: KAFB-106075

Pump Serial Number: 1807B-752

TB212-69

SAMPLER(S): JM

COURIER AND SHIPPING NUMBER: FedEx 7735 9228 1112

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger	4-29-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-SWB212-01

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	SWB212-01	4-19-2021	1530	11	3	~~3~~	~~X~~	2	1					2	3	

Please add Fe and Mn to total metal analysis.

Associated with: ESS lab grade water

TB212-60

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 8546 2030

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-SWB212-02

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	SWB212-02	4-19-2021	1545	11	3	~~3~~	~~5~~	2	1					2	3	

Please add Fe and Mn to total metal analysis.

Associated with: ~~ESS lab grade water~~ X Crystal Springs DI Water

TB212-61

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 8596 2041

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB211-30

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	~~6360401~~ 62735DM82	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 1 (Jan-Mar)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	~~(8260C)~~ BTEX GRO 8015C	~~(8260C)~~ BTEX DRO 8015C	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	COMMENTS
1	TB211-30	3-23-2021	1630	8	2	2	2	2						

Associated with: GW252-425-211
ER211-03

~~TB211-~~

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 773244844077

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D. Schmeelk	3-23-2021	1900	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-Ø1

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-Ø1	4-1-21	1300	2	—	—	✓	2	—	—	—	—	—	—	—	

Associated with: GW 201 - 212
GW 202 - 212
GW 203 - 212

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2794

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-1-21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-02

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-02	4-1-21	1300	2	—	—	2	2	—	—	—	—	—	—	—	

Associated with:
GW219-212
GW220-212
GW221-212

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2809

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-1-21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-03

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-03	4-1-21	1300	2	–	✓	–	2								

Associated with:
~~GW207-212~~ JM
GW208-212
GW209-212
GW208-612

SAMPLER(S): J. Messenger
COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2810

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-1-21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-04

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-04	4-1-21	1300	4	–	2	~~2~~	2								

Associated with:
GW063-212
GW064-212
GW015-212

SAMPLER(S): J. Messenger

COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2820

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-1-21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-05

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SM8015M) TPH-DRO	(SM8015M) TPH-GRO	COMMENTS
1	TB212-05	4-1-21	1300	2	–	[illegible]	–	2								

Associated with: GW207-212

SAMPLER(S): J. Messenger
COURIER AND SHIPPING NUMBER: FedEx 8156 5958 2831

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-1-21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212- 06

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR: 2021
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-06	4-2-2021	1530	4	—	2	—	2								

Associated with: GW062-212 GW011-212
~~GW062-~~

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7706

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schmeelk	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-07

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-07	4-2-2021	1530	2	~~D~~ 2			2								

Associated with: GW216-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7717

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schmeelk	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-08

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-08	4-2-2021	1530	2		2	X	2								

Associated with:
GW026-212
GW044-212
GW044-612

SAMPLER(S): D. Schmeek

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7761

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D Schmeek	4-2-21	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-09

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-09	4-2-21	1530	2		2		2								

Associated with: GW217-212
GW218-212
GW230-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7772

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schweelk	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-10

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-10	4-2-2021	1530	2		2	X	2								

Associated with:
GW027-212
GW046-212
GW047-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7670

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schweelk	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-11

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

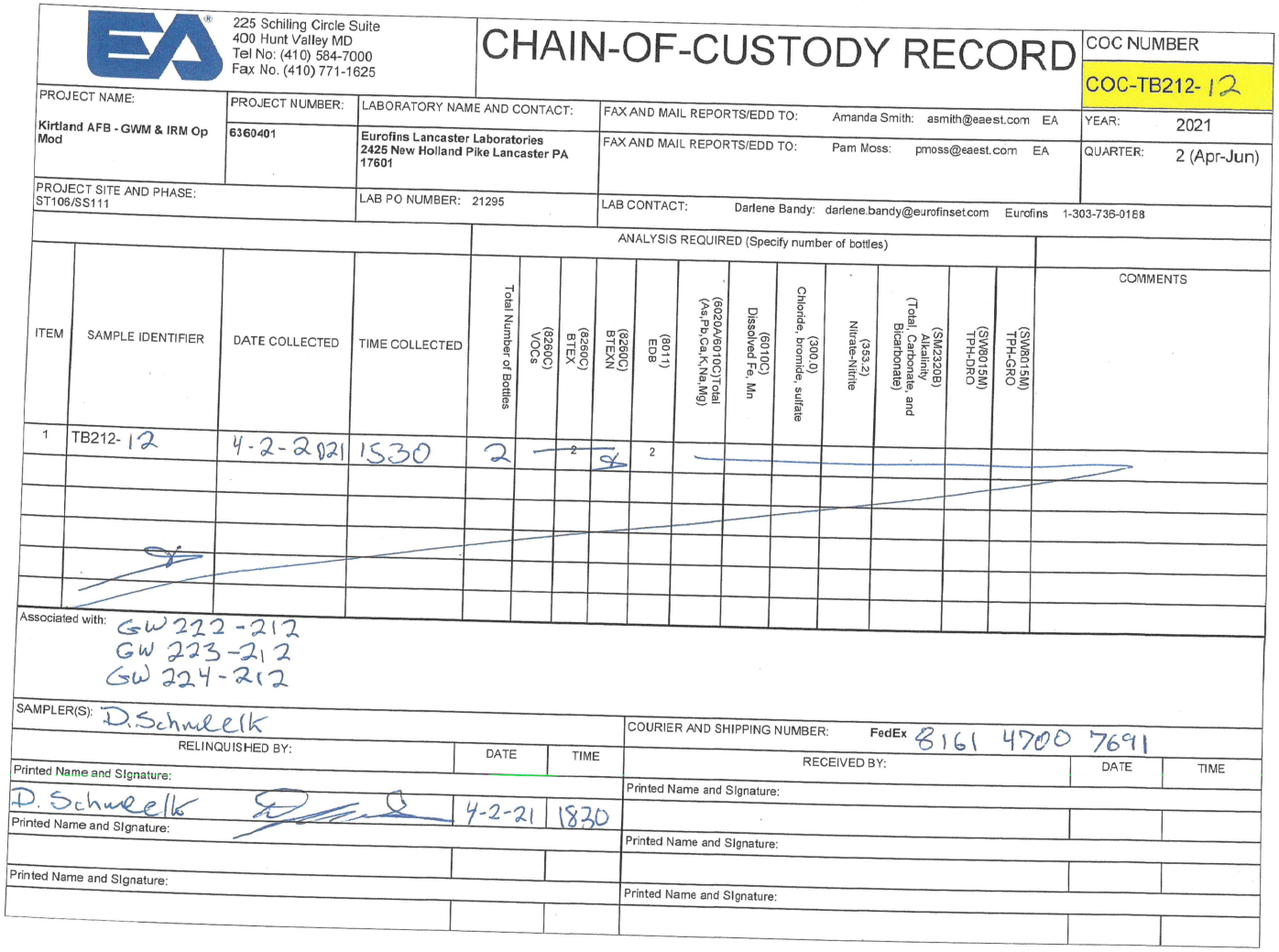
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-11	4-2-2021	1530	2		2		2								

Associated with: GW204-212
GW205-212
GW206-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7680

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schweelk	4-2-21	1830			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-12

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-12	4-2-2021	1530	2		2		2								

Associated with: GW 222-212
GW 223-212
GW 224-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4700 7691

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D. Schmeelk	4-2-21	1830	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-13

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-13	4-5-2021	1500	2	—	2	—	2	—							

Associated with: GW241-428-212
GW055-212
GW057-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5137

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schmeelk	4-5-21	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-14

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-14	4-5-2021	1500	2		2	X	2								

Associated with: GW225-212
GW225-612
GW038-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5137 4943

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D Schweelk	4-5-2021	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-15

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-15	4-5-2021	1500	2		2		2								

Associated with: GW025-212
GW226-212
GW227-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4954

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-2021	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-16

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-16	4-5-2021	1500	2		X		2								

Associated with:
GW041-212
GW042-212
GW043-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4965

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-2021	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-17

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-17	4-5-2021	1500	6	2	~~2~~		2							2	

Associated with: GW248-452-212
ER212-01
GW248-452-612

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4976

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-5-2021	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-18

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-18	4-5-2021	1500	4	—	2	—	2								

Associated with: GW101-212, GW102-212, GW098-212

SAMPLER(S): D. Schmeelk, R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4987

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-6-2021	1430 PM	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-19

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-19	4-6-2021	1500	2		2		2								

Associated with: GW029-212
GW030-212
GW031-212

SAMPLER(S): D. Schweeke, R. Wittles

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4998

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweeke	4-6-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-20

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-20	4-6-2021	1500	2		2		2								

Associated with:
GW021-212
GW242-418-212
GW231-212

SAMPLER(S): D. Schmeelk R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5001

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-6-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-21

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SM8015M) TPH-DRO	(SM8015M) TPH-GRO	COMMENTS
1	TB212-21	4-6-2021	1500	4	—	2	—	2								

Associated with: GW232-212
GW013-212
GW068-212

SAMPLER(S): D Schmeelk, R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5012

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-6-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-22

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

					ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-22	4-6-2021	1500	2	~~2~~	~~2~~		2								

Associated with: GW235-472-212 ~~GW235~~

SAMPLER(S): D. Schweelk R. Wittler			COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5023		
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweelk	4-6-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-23

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-23	4-7-2021	1330	2		2		2								

Associated with: GW235-438-212
GW235-4501-212
GW229-212

SAMPLER(S): R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4726

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Riley Wittler Ri[illegible]	4-7-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-24

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-24	4-7-2021	1330	2		2		2								

Associated with: GW236-436-212
GW236-470-212
GW236-499-212

SAMPLER(S): R. Witter

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4737

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Riley Witter Rileyfitter	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-25

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-25	4-7-2021	1330	2		2	~~2~~ 5	2								

Associated with: GW106-212
GW106-612
GW107-212

SAMPLER(S): R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4748

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Riley Wittler	4-7-2021	1606	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-26

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-26	4-7-2021	1330	2		2		2								

Associated with: GW091-212
GW091-612
GW105-212

SAMPLER(S): R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4759

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Riley Wittler	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212- 27

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 27	4-7-2021	1330	2		2		2								

Associated with: GW092-212
GW093-212
GW024-212

SAMPLER(S): R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4760

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Riley Wittler	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-28

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-28	4-7-2021	1330	4	—	2	—	2								

Associated with: GW097-212
GW003-212
GW060-212

SAMPLER(S): R. Wittler

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 5034

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Riley Wittler	4-7-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-29

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-29	4-8-2021	1330	2		2		2								

Associated with: GW032-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4770

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-8-2021	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-30

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-30	4-8-2021	1330	2		2		2								

Associated with:
GW034-212
GW033-212
GW053-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4781

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-8-2021				
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-31

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021
				QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	TB212-31	4-8-2021	1330	2		~~2~~		2								

Associated with: GW051-212
GW051-612
GW052-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 ~~1470~~ 4708 4792

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
D. Schmeelk	4-8-2021	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-32

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

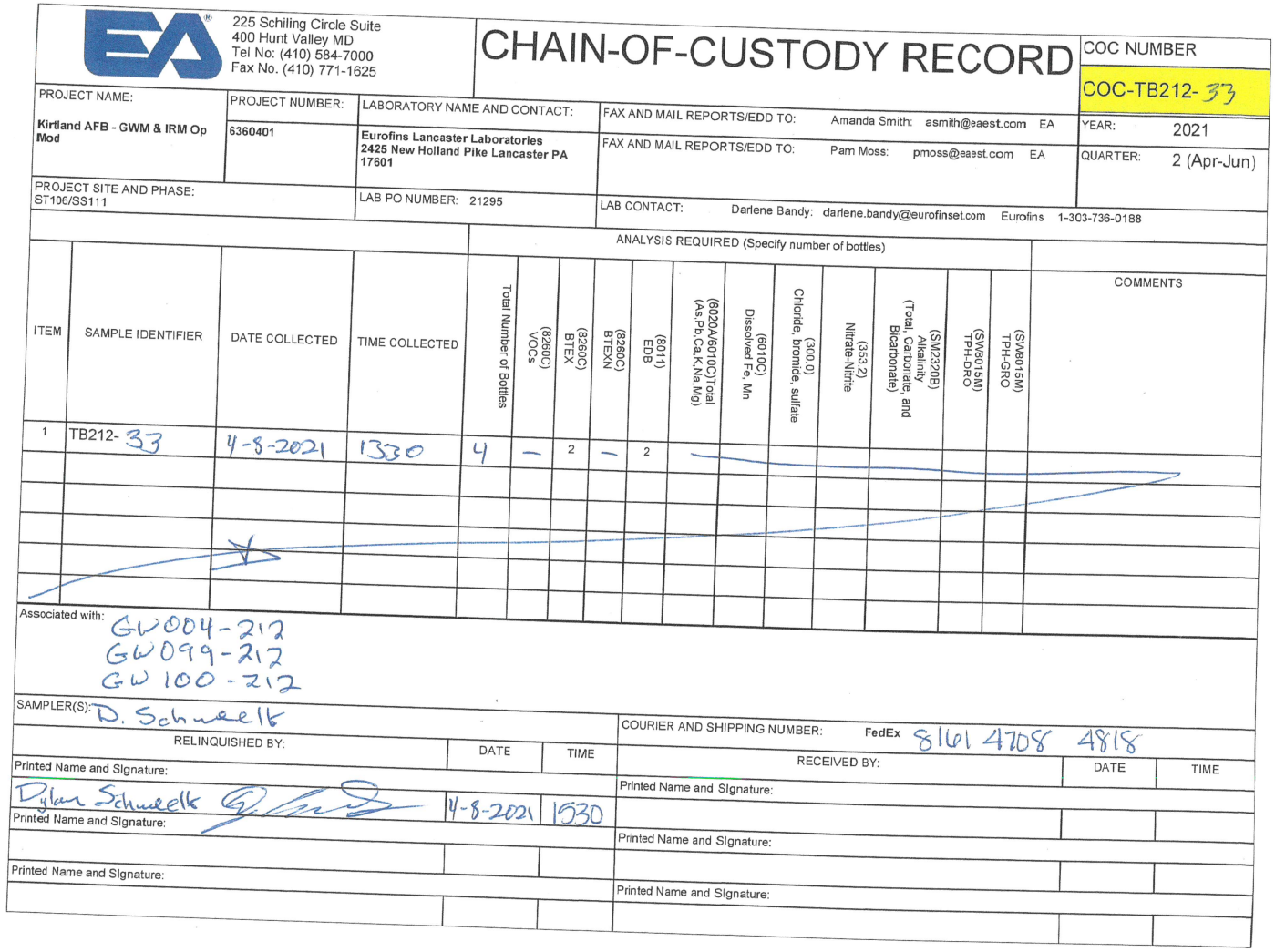
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SM8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-32	4-8-2021	1330	2		2		2								

Associated with: GW022-212
GW049-212
GW050-212

SAMPLER(S): DSchweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4807

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweelk	4-8-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-33

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	ANALYSIS REQUIRED (Specify number of bottles)												COMMENTS
				Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	
1	TB212-33	4-8-2021	1330	4	—	2	—	2								

Associated with:
GW004-212
GW099-212
GW100-212

SAMPLER(S): D. Schweik

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4818

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweik	4-8-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-34

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SM8015M) TPH-DRO	(SM8015M) TPH-GRO	COMMENTS
1	TB212-34	4-9-2021	1330	2		2	8	2								

Associated with: GW037-212
GW037-612
GW083-212

SAMPLER(S): D. Schmelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4829

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmelk	4-9-2021	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-35

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-35	4-9-2021	1330	2		2	X	2								

Associated with: GW035-212
GW036-212
GW084-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-36

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-36	4-9-2021	1330	2		2		2								

Associated with: GW212-212
GW213-212
GW214-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4840

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-37

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SM8015M) TPH-GRO	COMMENTS
1	TB212-37			2		2		2								

Associated with: GW215-212 & GW103-212 GW104-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4851

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-38

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-38	4-9-2021	1330	2		2	3	2								

Associated with:
GW054-212
GW082-212
GW023-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4862

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-9-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212- 39

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-39	4-12-2021	0700	2		2		2								

Associated with: GW088-212
GW089-212
GW090-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4873

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-12-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-40

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SM8015M) TPH-GRO	COMMENTS
1	TB212-40	4-12-2021	0700	2		2	X	2								

Associated with:
GW071-212
GW072-212
GW243-425-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 8161 4708 4884

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-12-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-41

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 41	4-12-2021	0700	2		2	3	2								

Associated with: GW070-212
GW070-612
GW087-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8925

RELINQUISHED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-12-2021	1730
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY:	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		
Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-42

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-42	4-12-2021	0700	2		~~2~~	~~3~~	2								

Associated with:
GW086-212
GW085-612
GW085-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx ~~8161 2T~~ 7734 2136 8936

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-13-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-43

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-43	4-12-2021	0700	2		2	8	2								

Associated with: GW039-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8947

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-12-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-44

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 44	4-12-2021	0700	2		2	X	2								

Associated with: GW040-212
GW096-212
GW096-612

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8958

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-12-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-45

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-45	4-12-2021	0700	2		2	X	2								

Associated with: GW095-212

SAMPLER(S): D.Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 2136 8969

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-12-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-46

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-46	4-13-2021	0700	4	—	2	—	2								

Associated with:
GW57-451-212 GW55-446-612
GW55-446-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweelk	4-13-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

BTEXN

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212- 47

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SM8015M) TPH-DRO	(SM8015M) TPH-GRO	COMMENTS
1	TB212- 47	4-13-2021	0700	4	~~3~~ 5	2	2									

Associated with: GW038-212
GW061-212
GW53-449-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9841

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweelk	4-13-2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-48

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	(SM2320B) Alkalinity (Total, Carbonate and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-48	4-13-2021	0700	4	—	2	—	2								

Associated with:
GW244-445-212 GW247-450-212
GW245-460-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9852

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:	4		Printed Name and Signature:		
Dylan Schweelk	4-13-21	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-49

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
				ANALYSIS REQUIRED (Specify number of bottles)												
1	TB212-49	4-13-2021	0700	2	—	2	—	2								

Associated with: GW54-446-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9863

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-13-21	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-50

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	ANALYSIS REQUIRED (Specify number of bottles)												COMMENTS
				Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	
1	TB212-50	4-13-2021	0700	4	—	2	—	2								

Associated with: GWS9-447-212
GWS9-447-612
GW240-449-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9874

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweelk	4-13-21	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-51

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111 | LAB PO NUMBER: 21295 | LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

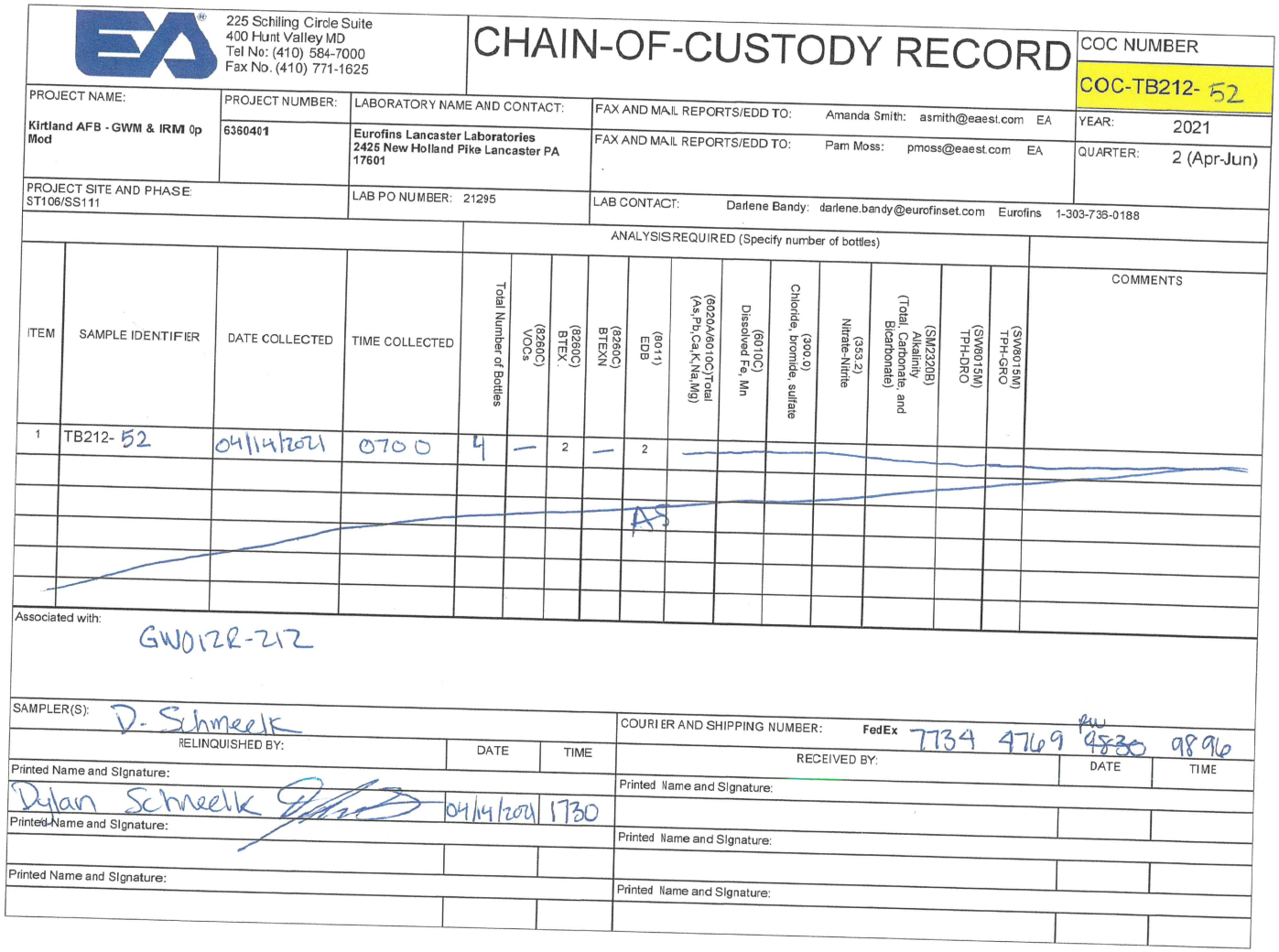
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 51	4-13-2021	0700	2		2 ~~3~~		2								

Associated with: GW007-212
GW045-212
GW3411-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9885

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-14-21				
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



225 Schilling Circle Suite
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Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212- 52

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 52	04/14/2021	0700	4	—	2	—	2								
								AS								

Associated with: GW012R-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9830 9896

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	04/14/2021	1730	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212- 53

PROJECT NAME: Kirtland AFB - GWM & IRM Op Mod	PROJECT NUMBER: 6360401	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 53	04/14/2021	0700	4	-	2	-	2								

Associated with: GW151-484-212 GW149-484-212 GW152-484-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9900

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	04/14/2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-54

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SM8015M) TPH-DRO	(SM8015M) TPH-GRO	COMMENTS
1	TB212-54	04/14/2021	0700	4	—	2	—	2								
							AS									

Associated with: GWS1-447-212 GWS2-451-212 GWS8-451-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9911

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-14-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-55

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-55	4-14-2021	0700	4	—	2	—	2								

Associated with: GW081-212
GW077-212
GW088-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7734 4769 9922

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schmeelk	4-14-2021	1730			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-56

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-56	4-15-2021	0700	2				2								

Associated with: GW073-212 GW016-212 GW016-612
~~GW074-212~~
~~GW002-212~~

SAMPLER(S): S. Miles

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2801

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Scott Miles	4-16-2021	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-57

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-57	4-15-2021	0700	4	—	2	—	2								

Associated with: GW065-212
GW066-212
GW067-212

SAMPLER(S): S. Miles

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2812

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Scott Miles	4-16-2021	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-58

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-58	4-16-2021	0700	2		2		2								

Associated with: GW002-212
GW074-212
GW094-212

SAMPLER(S): S. Miles

COURIER AND SHIPPING NUMBER: FedEx 7734 6994 2823

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Scott Miles	4-16-2021	1530	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-59

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-59	4-19-2021	0700	6	2	~~2~~		2							2	

Associated with: ER 212-02
GWS10-443-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 8596 2020

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schweelk	4-19-21	1800	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-60

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-60	4-19-2021	0700	6	2	~~3~~ 2		2							2	

Associated with: GWS10-443-212
SWB212-01

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7738 8596 2030

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-61

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SM8015M) TPH-DRO	(SM8015M) TPH-GRO	COMMENTS
1	TB212-61	4-19-2021	0700	6	2	~~2~~	~~X~~	2							2	

Associated with: SWB212-02
GW017-212
GW078-212

SAMPLER(S): D. Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7734 8596 2041

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-19-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212- 62

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA	2021
			Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 62	04-20-2021	0700	4	-	2	-	2								

Associated with: GW014-212
GW014-612
GW010-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 7735 1339 5143

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: Dylan Schmeelk	4-21-2021	1700	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-63

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295	LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188		

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-63	4-20-2021	0700	4	—	2	—	2								

Associated with: GW008-212
GW008-612
GW028-212

SAMPLER(S): D. Schneelk

COURIER AND SHIPPING NUMBER: FedEx 7735 1339 5154

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schneelk	4-21-2021	1700			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-64

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	**6360401**	**Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	Amanda Smith: asmith@eaest.com EA	2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 (Apr-Jun)
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 21295		LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 64	4-22-2021	0700	4	–	2	–	2								

Associated with:
GW005-212 , GW079-212
GW059-212

SAMPLER(S): Scott Miles

COURIER AND SHIPPING NUMBER: FedEx 7735 2410 4390

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Scott Miles	4-22-21	1530			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-65

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-65	4-22-2021	0700	4	—	2	—	2	—							

Associated with: GW006-212
GW076-212
GW076-612
ER212-03

SAMPLER(S): D.Schweelk

COURIER AND SHIPPING NUMBER: FedEx 7735 3831 8697

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Dylan Schweelk	4-23-2021	1900			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-66

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-66	4-27-2021	0700	2		2	X	2								

Associated with: GW001-212
GW019-212
GW020-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 773567543829

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: D. Schmeelk	4-27-2021	1800	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212- 67

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212- 67	4-27-21	0700	4	-	~~BTEX~~	2	2								

Associated with:
GW018-212
GW069-212
GW153-484-212

SAMPLER(S): D. Schmeelk

COURIER AND SHIPPING NUMBER: FedEx 773567543830

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
	4-27-21	1800			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-68

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE:	LAB PO NUMBER:	LAB CONTACT:
ST106/SS111	21295	Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-68	4-28-2021	1300	4	—	2	—	2								

Associated with:
GW009-212
GW080-212

SAMPLER(S): JM

COURIER AND SHIPPING NUMBER: FedEx 7735 7739 1756

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: J. Messenger	4-28-2021	1500	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schiling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB212-69

PROJECT NAME:	PROJECT NUMBER:	LABORATORY NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:	YEAR:
Kirtland AFB - GWM & IRM Op Mod	6360401	Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	Amanda Smith: asmith@eaest.com EA Pam Moss: pmoss@eaest.com EA	2021 QUARTER: 2 (Apr-Jun)

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Darlene Bandy: darlene.bandy@eurofinset.com Eurofins 1-303-736-0188

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C)Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(SW8015M) TPH-DRO	(SW8015M) TPH-GRO	COMMENTS
1	TB212-69	4-29-2021	1400	4	—	2	—	2								

Associated with:
ER212-04
GW075-212

SAMPLER(S): JM

COURIER AND SHIPPING NUMBER: FedEx 7735 9228 1112

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
J. Messenger JM	4-29-2021	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

APPENDIX H-5

U.S. Geological Survey Sentinel Well Data

United States Department of the Interior

U. S. GEOLOGICAL SURVEY
New Mexico Water Science Center
Albuquerque, New Mexico 87110

MEMORANDUM FOR RECORD

July 28, 2021

Attention: Bryan Banks, AFCEC

Through: Kimberly Beisner, Water Quality Specialist, NMWSC
Stuart Norton, Supervisory Hydrologist, NMWSC

From: Kate Wilkins, Hydrologic Technician, NMWSC

Subject: Quarterly Organic Data and Groundwater Level Measurement Transmittal for Kirtland Air Force Base (KAFB) Bulk Fuels Facility (BFF) Ethylene Dibromide (EDB) Plume Sentinel Wells for the April 2021 to June 2021 Quarter.

The USGS installed sentinel wells downgradient of the KAFB BFF EDB plume and upgradient from community water-supply wells, as a means of providing advanced warning of water quality in the vicinity of community water-supply wells. Samples are collected from the sentinel wells on a quarterly basis in accordance with the USGS fundamental science practices. This memorandum provides a summary of organic data results and the groundwater level measurements for the USGS KAFB BFF EDB plume Sentinel Wells (Figure 1, Table 1). Laboratory analytical results for the quarter from April 2021 through June 2021 are presented in Table 2 and discrete groundwater level measurements are presented in Table 3.

Site Descriptions

All the sentinel well sites (Figure 1, Table 1) are located in urban areas. The Trumbull well nest is located in a parking lot at the intersection of Trumbull Avenue SE and Mesilla Street SE. The surrounding neighborhood has a high volume of vehicle traffic. The Cesar Chavez well nest is located behind the Cesar E. Chavez Community Center, and the site is separated from vehicle traffic. The Southern well nest is located east of Phil Chacon Park, and the site is generally separated from vehicle traffic. The VA well nest is located next to Randolph Road SE, which has a high volume of vehicle traffic.

Sampling Period

Samplers were deployed between February 1, 2021, and February 5, 2021. Environmental samples were collected between April 5, 2021, and April 8, 2021.

Sampling Protocols

Samples were collected using dual membrane diffusion samplers following USGS sampling protocols outlined in the National Field Manual for the collection of water-quality data (U.S. Geological Survey, variously dated). The quality assurance samples collected include a source solution blank, trip blank, field blanks, equipment blank, matrix spike, and replicate.

Sample Analysis

In November 2018, USGS began using the USGS National Water Quality Laboratory (NWQL) for organic compound analyses at the USGS KAFB EDB sentinel wells in order to improve data quality and ensure timely delivery of the data. Organic compound analysis is completed by NWQL using method O-4127-96 (Connor and others, 1998). Effective October 1, 2019, laboratory reporting thresholds were modified to reflect detection limits of EPA Method SW8260C and EPA Method SW8011. The method is approved to be in conformance with the National Environmental Laboratory Accreditation Program (NELAP).

Data Review

The data presented herein have been reviewed and approved by USGS staff, as outlined in the work plan (Travis, 2017). Organic data results are reported in Table 2. No detections were found in the environmental samples. Groundwater level measurements are presented in Table 3. The data reviewed within this memorandum were in accordance with the quality assurance requirements outlined in the work plan.

The data are publicly available via NWIS at https://waterdata.usgs.gov/nwis/. If you have any questions regarding the data, please feel free to contact me at 505-830-7946 or klwilkins@usgs.gov.

Sincerely,

KATE WILKINS

Digitally signed by KATE WILKINS
Date: 2021.08.10 10:18:50 -06'00'

Kate Wilkins
Project Chief
Hydrologic Technician
USGS New Mexico Water Science Center

cc: Sheen Kottkamp, AFCEC
Kathryn Lynnes, AFCEC
Ben Moayyad, USACE
Bernard Bockisch, EA Engineering
Stuart Norton, USGS
Kimberly Beisner, USGS
Michael Johnson, USGS
Erik Storms, USGS

References:

Connor, B.F., Rose, D.L., Noriega, M.C., Murtagh, L.K., and Abney, S.R., 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatography/mass spectrometry, including detections less than reporting limits: U.S. Geological Survey Open-File Report 97-829, 78 p.

Travis, R., 2017, Work Plan for The Quarterly Sampling of the Kirtland Air Force Base Bulk Fuels Facility Plume Sentinel Wells. 31 p.

U.S. Environmental Protection Agency, 1992,1,2-Dibromoethane and 1,2-dibromo-3-chloropropane by microextraction and gas chromatography: U.S. Environmental Protection Agency 13 p., accessed August 17, 2020, at https://www.epa.gov/sites/production/files/2015-12/documents/8011.pdf.

U.S. Environmental Protection Agency, 2006,Volatile organic compounds by gas chromatography/mass spectrometry (GC/MS): U.S. Environmental Protection Agency 92 p., accessed August 17, 2020, at https://www.epa.gov/sites/production/files/2018-06/documents/method_8260c_rev_3_8-1-2006.pdf.

U.S. Geological Survey, variously dated, National field manual for the collection of water-quality data: U.S. Geological Survey Techniques of Water-Resources Investigations, book 9, chaps. A1-A10, available online at http://pubs.water.usgs.gov/twri9A.

Figure 1: Location of Kirtland Air Force Base Bulk Fuels Facility, USGS sentinel wells, and community water supply wells, Albuquerque and Kirtland Air Force Base, New Mexico.

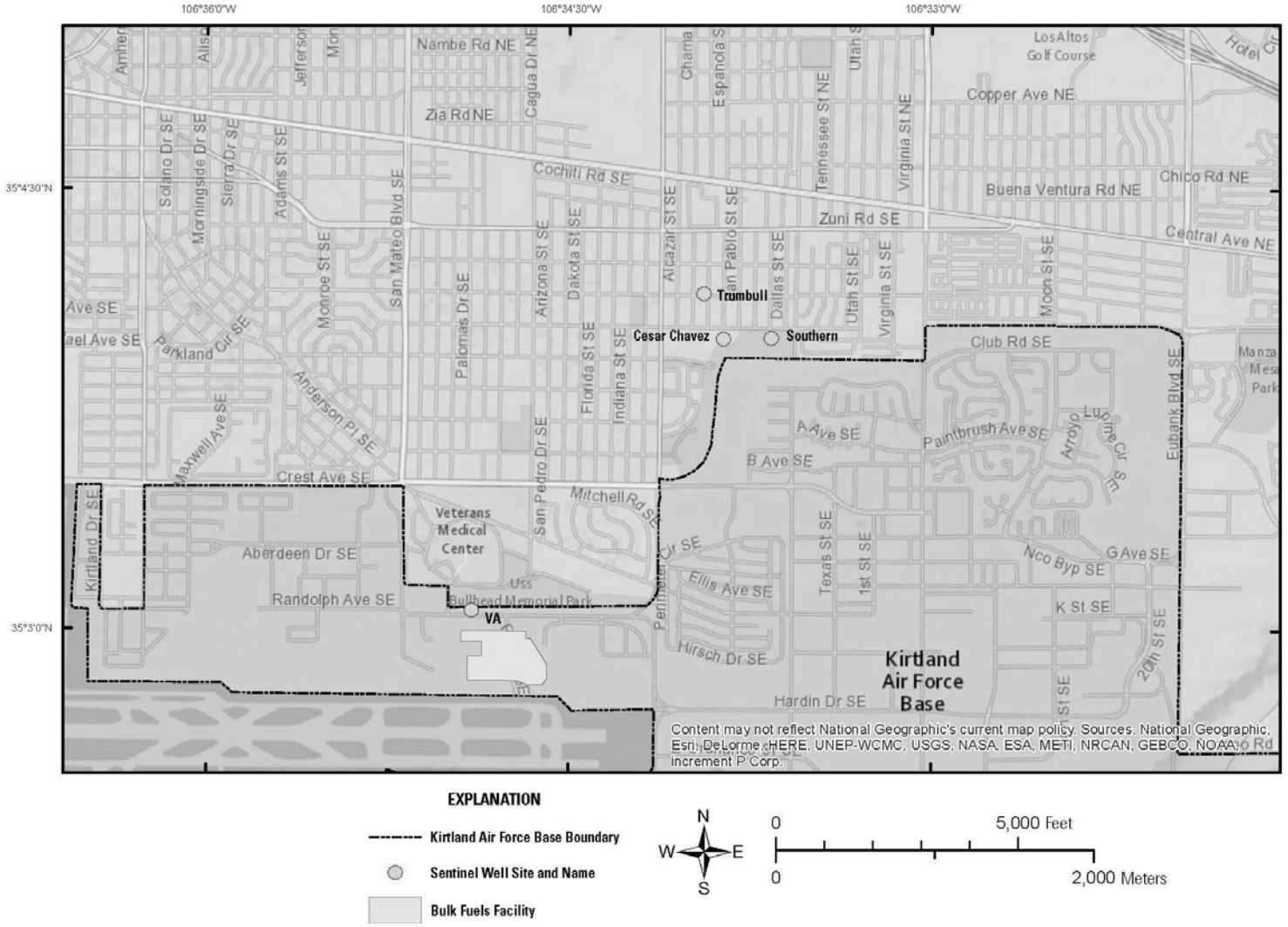


Table 1: Sentinel Well Site Information

Site Identification Number	Station Name	Construction Completion Date	Well Depth (feet below land surface (bls))	Well Diameter (inches)	Screened Interval (feet bls)
Cesar Chavez Sentinel Wells					
350359106335201	10N.04E.30.134A CESAR CHAVEZ SENTINEL WELL 1A	11/20/2014	519	2.5	459 - 509
350359106335202	10N.04E.30.134B CESAR CHAVEZ SENTINEL WELL 1B	10/28/2014	620	2.5	580 - 600
350359106335203	10N.04E.30.134C CESAR CHAVEZ SENTINEL WELL 1C	10/28/2014	1,040	2.5	1,000 - 1,020
350359106335204	10N.04E.30.134D CESAR CHAVEZ SENTINEL WELL 1D	10/28/2014	1,338	2.5	1,298 - 1,318
Southern Sentinel Wells					
350359106333901	10N.04E.30.144A SOUTHERN SENTINEL WELL 1A	12/11/2014	538	2.5	468 - 518
350359106333902	10N.04E.30.144B SOUTHERN SENTINEL WELL 1B	3/22/2015	610	2.5	570 - 590
350359106333903	10N.04E.30.144C SOUTHERN SENTINEL WELL 1C	3/22/2015	1,090	2.5	1,050 - 1,070
350359106333904	10N.04E.30.144D SOUTHERN SENTINEL WELL 1D	3/22/2015	1,400	2.5	1,360 - 1,380
Trumbull Sentinel Wells					
350408106335601	10N.04E.30.1243A TRUMBULL-NEST-1A	4/18/2013	522	2.5	437 - 467; 467 - 517
350408106335602	10N.04E.30.1243B TRUMBULL-NEST-1B	4/18/2013	1,018	2.5	998 - 1,008
350408106335603	10N.04E.30.1243B TRUMBULL-NEST-1C	4/18/2013	1,432	2.5	1,412 - 1,422
VA Sentinel Wells					
350304106345401	10N.03E.36.1433A T10N.R03E.S36.1433A Shallow VA Sentinel Well	4/26/2016	660	3	620 -640
350304106345402	10N.03E.36.1433B T10N.R03E.S36.1433A Middle VA Sentinel Well	4/26/2016	860	3	820 - 840
350304106345403	10N.03E.36.1433C T10N.R03E.S36.1433A Deep VA Sentinel Well	4/26/2016	1,040	3	1,000 - 1,020

Table 2
Groundwater Analytical Results for Sentinel Wells, April - June 2021

			Site Name:			Cesar Chavez 1A			Cesar Chavez 1B			Cesar Chavez 1C			Cesar Chavez 1D		
			Station Identification:			350359106335201			350359106335202			350359106335203			350359106335204		
			Sample Date:			04/06/2021 1200			04/06/2021 1100			04/06/2021 1000			04/06/2021 900		
			Sample Type:			Environmental			Environmental			Environmental			Environmental		
			Sample Depth (ft bgs):			496			591			1002			1303		
			Site Elevation (ft above sea level):			5350.33			5350.23			5350.23			5350.23		
Parameter	**Analytical Method**	**Analyte**	**NMAC NMWQCC[a]**	**EPA MCL[b]**	**Project Screening Level[c]**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**
EDB	USGS Method O-4127-96 (µg/L)	1,2-dibromoethane[d]	0.1	0.05	0.05	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014
VOCs		Benzene	10	5	5	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Ethylbenzene	750	700	700	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Naphthalene	30	NS	30	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Toluene	750	1,000	750	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Total Xylenes	620	10,000	620	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8

			Site Name:			Southern 1A			Southern 1B			Southern 1C			Southern 1D		
			Station Identification:			350359106333901			350359106333902			350359106333903			350359106333904		
			Sample Date:			04/07/2021 1200			04/07/2021 1100			04/07/2021 1000			04/07/2021 900		
			Sample Type:			Environmental			Environmental			Environmental			Environmental		
			Sample Depth (ft bgs):			506			580			1062			1370		
			Site Elevation (ft above sea level):			5363.20			5363.10			5363.10			5363.10		
Parameter	**Analytical Method**	**Analyte**	**NMAC NMWQCC[a]**	**EPA MCL[b]**	**Project Screening Level[c]**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**
EDB	USGS Method O-4127-96 (µg/L)	1,2-dibromoethane[d]	0.1	0.05	0.05	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014
VOCs		Benzene	10	5	5	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Ethylbenzene	750	700	700	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Naphthalene	30	NS	30	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Toluene	750	1,000	750	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Total Xylenes	620	10,000	620	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8

			Site Name:			Trumbull 1A			Trumbull 1B			Trumbull 1C		
			Station Identification:			350408106335601			350408106335602			350408106335603		
			Sample Date:			04/05/2021 1200			04/05/2021 1100			04/05/2021		
			Sample Type:			Environmental			Environmental			Environmental		
			Sample Depth (ft bgs):			484			1000			1414		
			Site Elevation (ft above sea level):			5337.76			5337.76			5337.76		
Parameter	**Analytical Method**	**Analyte**	**NMAC NMWQCC[a]**	**EPA MCL[b]**	**Project Screening Level[c]**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**
EDB	USGS Method O-4127-96 (µg/L)	1,2-dibromoethane[d]	0.1	0.05	0.05	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014
VOCs		Benzene	10	5	5	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Ethylbenzene	750	700	700	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Naphthalene	30	NS	30	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Toluene	750	1,000	750	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Total Xylenes	620	10,000	620	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8

Table 2
Groundwater Analytical Results for Sentinel Wells, April - June 2021

			Site Name:			VA Shallow			VA Middle			VA Deep		
			Station Identification:			350304106345401			350304106345402			350304106345403		
			Sample Date:			04/08/2021 1100			04/08/2021 1000			04/08/2021 900		
			Sample Type:			Environmental			Environmental			Environmental		
			Sample Depth (ft bgs):			622			820			1000		
			Site Elevation (ft above sea level):			5340.668			5340.668			5340.668		
Parameter	**Analytical Method**	**Analyte**	**NMAC NMWQCC[a]**	**EPA MCL[b]**	**Project Screening Level[c]**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**	**Result**	**Val Qual**	**MRL**
EDB	USGS Method O-4127-96 (µg/L)	1,2-dibromoethane[d]	0.1	0.05	0.05	<0.028	U	0.014	<0.028	U	0.014	<0.028	U	0.014
VOCs		Benzene	10	5	5	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Ethylbenzene	750	700	700	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Naphthalene	30	NS	30	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Toluene	750	1,000	750	<0.6	U	0.60	<0.6	U	0.60	<0.6	U	0.60
		Total Xylenes	620	10,000	620	<1.8	U	1.8	<1.8	U	1.8	<1.8	U	1.8

[a] NMWQCC numeric standards per the NMAC Title 20.6.2.3101A, Standards for Ground Water of 10,000 mg/L Total Dissolved Solids Concentration or Less (NMAC 2004).
[b] EPA National Primary Drinking Water Regulations, MCLs and Secondary MCLs, Title 40CFR Part 141, 143 (May 2009).
[c] The project screening level was selected to satisfy the requirements of the Kirtland AFB Hazardous Waste Permit Number NM9570024423 as the lowest of (1) NMWQCC numeric standard or (2) EPA MCL.
[d] 1,2-dibromoethane is reported as a MDL based on NELAP certification. The MDL for 1,2-dibromoethane is 0.014 µg/L.

µg/L = microgram per liter
bgs = below-ground surface
CFR = Code of Federal Regulations
EDB = ethylene dibromide (1,2-dibromoethane)
EPA = U.S. Environmental Protection Agency
ft = foot/feet
MCL = maximum contaminant level
MRL = USGS National Water Quality Laboratory Method Reporting Level
MDL = USGS National Water Quality Laboratory Method Detection Limit
NMAC = New Mexico Administrative Code
NMWQCC = New Mexico Water Quality Control Commission
Val Qual = validation qualifier
VOC = volatile organic compound

Results:
< = less than the limit of quantification (numerical result)

Qualifiers:
Val Quals based on criteria set by NWQL.
U = A result that is either not detected or below the Method Detection Level.

References:
New Mexico Administrative Code. 2004. State of New Mexico, Title 20.6.2 Ground and Surface Water Protection.

Table 3
Groundwater Measurements for Sentinel Wells, April - June 2021

Site Name	Station Identification	Measuring Date	Water Level (ft below land surface)
Cesar Chavez 1A	350359106335201	4/6/2021	474.75
Cesar Chavez 1B	350359106335202	4/6/2021	474.80
Cesar Chavez 1C	350359106335203	4/6/2021	467.99
Cesar Chavez 1D	350359106335204	4/6/2021	455.77
Southern 1A	350359106333901	4/7/2021	489.29
Southern 1B	350359106333902	4/7/2021	488.20
Southern 1C	350359106333903	4/7/2021	482.06
Southern 1D	350359106333904	4/7/2021	469.00
Southern 1F	350359106333906	4/7/2021	488.18
Southern 1H	350359106333908	4/7/2021	481.89
Trumbull 1A	350408106335601	4/5/2021	461.72
Trumbull 1B	350408106335602	4/5/2021	454.34
Trumbull 1C	350408106335603	4/5/2021	442.66
VA Shallow	350304106345401	4/8/2021	462.85
VA Middle	350304106345402	4/8/2021	456.66
VA Deep	350304106345403	4/8/2021	455.86