Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106028-150

Sample Location: KAFB-106028

Port Depth: 150

Date: 4/8/2020

Screened Interval:
Top: 148.75 (ft. b.g.s)
Bottom: 151.25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~70°F

Pump ID: 1 Horiba ID: 1 Sample System ID: DFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.1

A. Pre-calculated purge volume (cu. ft)	0.615	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.~~ SN 2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	19	(Seconds)

Post Purge Static Pressure (inWC) -1.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1142	0.10	19.94	0	19

Sample ID: SV028-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SS~~0~~0962

Regulator Number(s): NA

SUMMA Initial Pressure: -26.5" Hg

SUMMA Final Pressure: -2.0" Hg

Comments: SVMP took 3 min to ~~equilibrate~~ equilibrate static pressure

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106028-250

Sample Location: KAFB-106028

Port Depth: 250

Date: 4/8/2020

Screened Interval:
Top: 248.75 (ft. b.g.s)
Bottom: 251.25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~70°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.4

A. Pre-calculated purge volume (cu. ft)	0.752	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ SN 2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1147	0.22	20.29	1	23

Sample ID: SV028-250-202

Duplicate Sample ID: NA

Canister Number(s): 1550892

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0"Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106028-350

Sample Location: KAFB-106028

Port Depth: 350

Date: 4/8/2020

Screened Interval:
Top: 348.75 (ft. b.g.s)
Bottom: 351.25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny ~70°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	0.888	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1154	0.28	20.53	0	27

Sample ID: SV028-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00745

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106028-450

Sample Location: KAFB-106028

Port Depth: 450

Date: 4/8/2020

Screened Interval:
Top: 448.75 (ft. b.g.s)
Bottom: 451.25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~70°F

Pump ID: 1 Horiba ID: 1 Sample System ID: aFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	1.024	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	31	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1157	1.58	18.32	149	31

Sample ID: SV028-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01113

Regulator Number(s): AVG 04878

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106108-025

Sample Location: KAFB-106108

Port Depth: 025

Date: 4-21-2020

Screened Interval:
Top: 15.3 (ft. b.g.s)
Bottom: 25.3 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 60°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) ~~0.0~~ NP 0.0

A. Pre-calculated purge volume (cu. ft)	1.714	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	47	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 1008	0.88	19.09	2	47

Sample ID: SV108-025-202

Duplicate Sample ID: NA

Canister Number(s): 15C01089

Regulator Number(s): AVG05003

SUMMA Initial Pressure: -26.5 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

2

Reviewed by: Amanda Smith

Review Date: 5/16/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106108-050

Sample Location: KAFB-106108

Port Depth: 050

Date: 4-21-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: ——

Weather observations: 60°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	49	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 1011	2.40	16.58	3	49

Sample ID: SV108-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00749

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5"Hg

SUMMA Final Pressure: -4.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106108-150

Sample Location: KAFB-106108

Port Depth: 150

Date: 4-21-2020

Screened Interval:
Top: 140.2 (ft. b.g.s)
Bottom: 150.2 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Pete

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 60°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.097	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	58	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1015	1.92	14.74	527	58

Sample ID: SV108-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C00586

Regulator Number(s): AVG04357

SUMMA Initial Pressure: -22.0"Hg

SUMMA Final Pressure: -1.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106108-250

Sample Location: KAFB-106108

Port Depth: 250

Date: 4-21-2020

Screened Interval:
Top: 240.3 (ft. b.g.s)
Bottom: 250.3 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Ro

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 60°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	2.404	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	1 min 6	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1019	1.10	13.90	2100	1 min 6 sec

Sample ID: SV108-250-202

Duplicate Sample ID: NA

Canister Number(s): 15500944

Regulator Number(s): AVG0458#

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -2.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106108-350

Sample Location: KAFB-106108

Port Depth: 350

Date: 4-21-2020

Screened Interval:
Top: 340.3 (ft. b.g.s)
Bottom: 350.3 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: ——

Weather observations: 60°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.711	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	1min 14	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1023	0.34	19.07	6	1 min 14

Sample ID: SV108-350-202

Duplicate Sample ID: SV108-350-602

Canister Number(s): Primary: 1SS00535 Dup: 1SS00859

Regulator Number(s): Primary: NA Dup: AVG04723

SUMMA Initial Pressure: P:-25.0"Hg D:-27.5"Hg SUMMA Final Pressure: P:-4.0"Hg D:-5.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106108-450

Sample Location: KAFB-106108

Port Depth: 450

Date: 4-21-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 60°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	10 min 48	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 1037	0.52	19.91	2	10 min 48

Sample ID: SV108-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01082

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0" Hg

SUMMA Final Pressure: -2.5" Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/12/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106109-025

Sample Location: KAFB-106109

Port Depth: 025

Date: 4-15-2020

Screened Interval:
Top: 15.2 (ft. b.g.s)
Bottom: 25.2 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 32°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0755	0.50	20.49	4	28

Sample ID: SV109-025-202

Duplicate Sample ID: NA

Canister Number(s): 1S100442

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106109-050

Sample Location: KAFB-106109

Port Depth: 050

Date: 4-15-2020

Screened Interval:
Top: 40.1 (ft. b.g.s)
Bottom: 50.1 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 32°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.79	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0758	1.02	19.97	3	29

Sample ID: SV109-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SL00196

Regulator Number(s): AVG03802

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106109-150

Sample Location: KAFB-106109

Port Depth: 150

Date: 4-15-2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 32°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0801	0.18	18.62	3	34

Sample ID: SV109-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01158

Regulator Number(s): AVG05144

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/16/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106109-250

Sample Location: KAFB-106109

Port Depth: 250

Date: 4-15-2020

Screened Interval:
Top: 240.2 (ft. b.g.s)
Bottom: 250.2 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 32°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	2.404	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0804	0.30	19.46	3	38

Sample ID: SV109-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00079

Regulator Number(s): AVG05125

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/12/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106109-350

Sample Location: KAFB-106109

Port Depth: 350

Date: 4-15-2020

Screened Interval:
Top: 340.6 (ft. b.g.s)
Bottom: 350.6 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 32°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.8

A. Pre-calculated purge volume (cu. ft)	2.712	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.8

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0807	0.24	20.21	4	43

Sample ID: SV109-350-202

Duplicate Sample ID: NA

Canister Number(s): 15L00876

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106109-450

Sample Location: KAFB-106109

Port Depth: 450

Date: 4-15-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 32°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.8

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.8

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0816	0.40	20.68	4	6 min 15 sec

Sample ID: SV109-450-202

Duplicate Sample ID: SV109-450-602

Canister Number(s): Primary: 1SC00368 Dup: 1SS00181

Regulator Number(s): Primary: NA Dup: AVG04#27

SUMMA Initial Pressure: P:-24.5"Hg D:-26.0"Hg

SUMMA Final Pressure: P:-3.0"Hg D: -4.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106110-025

Sample Location: KAFB-106110

Port Depth: 025

Date: 4-15-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: ——

Weather observations: 36°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0846	0.92	19.56	2	28

Sample ID: SV110-025-202

Duplicate Sample ID: NA

Canister Number(s): 15500221

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106110-050

Sample Location: KAFB-106110

Port Depth: 050

Date: 4-15-2020

Screened Interval:
Top: 40.1 (ft. b.g.s)
Bottom: 50.1 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 36°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.79	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0849	1.46	17.44	1	29

Sample ID: SV110-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SL00010

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106110-150

Sample Location: KAFB-106110

Port Depth: 150

Date: 4-15-2020

Screened Interval:
Top: 140.3 (ft. b.g.s)
Bottom: 150.3 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 36°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.9

A. Pre-calculated purge volume (cu. ft)	2.097	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -0.8

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 / 0852	1.60	14.45	239	34

Sample ID: SV110-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SL00054

Regulator Number(s): AVG#5157

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106110-250

Sample Location: KAFB-106110

Port Depth: 250

Date: 4-15-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Pete

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 36° F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.2

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 / 0855	1.94	10.88	9140	38

Sample ID: SV110-250-202

Duplicate Sample ID: SV110-250-602

Canister Number(s): Primary: 1SL01011 Dup: 1SL00982

Regulator Number(s): Primary: NA Dup: AVG04B66

SUMMA Initial Pressure: P:-26.0 "Hg D:-24.0 "Hg

SUMMA Final Pressure: P:-2.0 "Hg D:-2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106110-350

Sample Location: KAFB-106110

Port Depth: 350

Date: 4-15-2020

Screened Interval:
Top: 340.2 (ft. b.g.s)
Bottom: 350.2 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 36°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0904	0.32	18.10	95	43

Sample ID: SV110-350-202

Duplicate Sample ID: NA

Canister Number(s): ~~15500026~~ NP 15500226

Regulator Number(s): AVG04775

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106110-450

Sample Location: KAFB-106110

Port Depth: 450

Date: 4-15-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 36°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -1.4

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6min 15	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0914	0.48	19.72	21	6 min 15 sec

Sample ID: SV110-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SL00079

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date:

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106111-025

Sample Location: KAFB-106111

Port Depth: 025

Date: 4-7-2020

Screened Interval:
Top: 15.2 (ft. b.g.s)
Bottom: 25.2 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1454	2.40	13.63	-2	28

Sample ID: SV111-025-202

Duplicate Sample ID: NA

Canister Number(s): 15500774

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106111-050

Sample Location: KAFB-106111

Port Depth: 050

Date: 4-7-2020

Screened Interval:
Top: 40.1 (ft. b.g.s)
Bottom: 50.1 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.79	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1456	6.42	7.46	3	29

Sample ID: SV111-050-202

Duplicate Sample ID: SV111-050-602

Canister Number(s): Primary: 15C01013 Dup: 15C00780

Regulator Number(s): Primary: NA Dup: AVG04811

SUMMA Initial Pressure: P: -24.0 "Hg D: -25.0 "Hg SUMMA Final Pressure: P: -1.5 "Hg D: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106111-150

Sample Location: KAFB-106111

Port Depth: 150

Date: 4-7-2020

Screened Interval:
Top: 140.3 (ft. b.g.s)
Bottom: 150.3 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) ~~-0.5~~ NP 0.0

A. Pre-calculated purge volume (cu. ft)	2.097	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1501	7.56	5.53	623	34

Sample ID: SV111-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C00711

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -3.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106111-250

Sample Location: KAFB-106111

Port Depth: 250

Date: 4-7-2020

Screened Interval:
Top: 240.3 (ft. b.g.s)
Bottom: 250.3 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.404	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) ~~0.5~~ NP 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1505	11.44	7.00	6400	38

Sample ID: SV111-250-202

Duplicate Sample ID: NA

Canister Number(s): 15500583

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106111-350

Sample Location: KAFB-106111

Port Depth: 350

Date: 4-7-2020

Screened Interval:
Top: 340.4 (ft. b.g.s)
Bottom: 350.4 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	2.711	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -0.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1509	1.94	12.45	2550	43

Sample ID: SV111-350-202

Duplicate Sample ID: NA

Canister Number(s): 15500155

Regulator Number(s): AVG05007

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106111-450

Sample Location: KAFB-106111

Port Depth: 450

Date: 4-7-2020

Screened Interval:
Top: 440.3 (ft. b.g.s)
Bottom: 450.3 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 70°F, sunny, clear, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port (Yes) - No

Initial Static Pressure (inWC) -0.7

A. Pre-calculated purge volume (cu. ft)	23.74	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1519	0.88	15.56	13	6 min 15 sec

Sample ID: SV111-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01172

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments: Static pressure difference was 0.3 in WC but field readings are consistent with historical readings

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106112-025

Sample Location: KAFB-106112

Port Depth: 025

Date: 4-21-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	47	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 1250	0.30	18.75	2	52

Sample ID: SV112-025-202

Duplicate Sample ID: NA

Canister Number(s): 15500952

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -4.5 "Hg

Comments: Issues adjusting flow rate for purge, so purged an extra 5 seconds

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106112-050

Sample Location: KAFB-106112

Port Depth: 050

Date: 4-21-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes No

Initial Static Pressure (inWC) 0.6

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	49	(Seconds)

Post Purge Static Pressure (inWC) 0.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1254	0.56	17.97	1	49

Sample ID: SV112-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00491

Regulator Number(s): AVG04911

SUMMA Initial Pressure: -23.5 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106112-150

Sample Location: KAFB-106112

Port Depth: 150

Date: 4-21-2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	58	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1257	0.68	18.82	2	58

Sample ID: SV112-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00962

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0"Hg

SUMMA Final Pressure: -2.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106112-250

Sample Location: KAFB-106112

Port Depth: 250

Date: 4-21-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	1 min 6	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1301	0.84	18.43	1	1 min 6

Sample ID: SV112-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00063

Regulator Number(s): AVG04868

SUMMA Initial Pressure: -25.0" Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106112-350

Sample Location: KAFB-106112

Port Depth: 350

Date: 4-21-2020

Screened Interval:
Top: 339 (ft. b.g.s)
Bottom: 349 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Patton

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 65°F, Sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.707	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	1 min 14	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1305	0.90	16.55	3	1 min 14

Sample ID: SV112-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS01001

Regulator Number(s): AVG04383

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106112-450

Sample Location: KAFB-106112

Port Depth: 450

Date: 4-21-2020

Screened Interval:
Top: 439 (ft. b.g.s)
Bottom: 449 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	23.676	(Ft^3)
B. Flow rate on flowmeter for air pump	2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	10 min 46	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1318	1.52	16.82	681	10 min 46

Sample ID: SV112-450-202

Duplicate Sample ID: SV112-450-602

Canister Number(s): Primary: 1SC00582 Dup: 1SC00412

Regulator Number(s): Primary: AVG05076 Dup: AVG03260

SUMMA Initial Pressure: P:-25.0"Hg D:-25.0"Hg

SUMMA Final Pressure: P:-2.0"Hg D:-2.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106113-020

Sample Location: KAFB-106113

Port Depth: 020

Date: 4/15/2020

Screened Interval:
Top: 10 (ft. b.g.s)
Bottom: 20 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 45° Sunny

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.697	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 1021	0.34	20.40	0	26

Sample ID: SV113-020-202

Duplicate Sample ID: NA

Canister Number(s): LB ~~15500533~~ 15C00280

Regulator Number(s): NA

SUMMA Initial Pressure: LB ~~-25.0"Hg~~ 27.0

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106113-050

Sample Location: KAFB-106113

Port Depth: 050

Date: 4/15/2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: LB

PID in Wellhead:

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 40° sunny

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 1027	0.58	20.05	0	27

Sample ID: SV113-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01189

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106113-150

Sample Location: KAFB-106113

Port Depth: 150

Date: 4/15/2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 7

Sample Team Signature: LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 450 Sunny

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.1

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -1.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 1030	0.40	19.95	0	32

Sample ID: SV113-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C00707

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106113-250

Sample Location: KAFB-106113

Port Depth: 250

Date: ~~4/9~~ LB 4/15/2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: LB

PID in Wellhead:

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 45° Sunny

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -1.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 1034	0.90	19.59	0	37

Sample ID: SV113-250-202

Duplicate Sample ID: NA

Canister Number(s): 15C01195

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106113-350

Sample Location: KAFB-106113

Port Depth: 350

Date: ~~4/14/20~~ SN 4/15/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~45°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.4

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 ~~4/14/20~~ LB 1037	0.42	18.76	103	41

Sample ID: SV113-350-202

Duplicate Sample ID: NA

Canister Number(s): 15500906

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106113-450

Sample Location: KAFB-106113

Port Depth: 450

Date: ~~4/14/20~~ SN 4/15/20

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~45°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 56	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 ~~4/14/20~~ LB 1046	1.94	14.38	1258	5min 56sec

Sample ID: SV113-450-202

Duplicate Sample ID: NA

Canister Number(s): LB ~~15C00280~~ 15S00533

Regulator Number(s): NA

SUMMA Initial Pressure: ~~27~~ 25 LB .0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106114-025

Sample Location: KAFB-106114

Port Depth: 025

Date: 4-8-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 60°F, sunny, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 1029	0.40	19.68	2	28

Sample ID: SV114-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00135

Regulator Number(s): AVG0482#

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106114-050

Sample Location: KAFB-106114

Port Depth: 050

Date: 4-8-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 60°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 / 1032	0.54	18.77	2	29

Sample ID: SV114-050-202

Duplicate Sample ID: NA

Canister Number(s): 15C00262

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5"Hg

SUMMA Final Pressure: -2.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106114-150

Sample Location: KAFB-106114

Port Depth: 150

Date: 4-8-2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 60°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.0

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -0.9

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 / 1036	0.52	18.65	3	34

Sample ID: SV114-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00742

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -0.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106114-250

Sample Location: KAFB-106114

Port Depth: 250

Date: 4-8-2020

Screened Interval:
Top: 235 (ft. b.g.s)
Bottom: 245 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 60°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.388	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 1040	2.14	16.20	3	38

Sample ID: SV114-250-202

Duplicate Sample ID: SV114-250-602

Canister Number(s): Primary: 1SC00299 Dup: 1SC00878

Regulator Number(s): Primary: AVG05026 Dup: NA

SUMMA Initial Pressure: P: -24.0"Hg D: -25.5"Hg

SUMMA Final Pressure: P: -3.0"Hg D: -1.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106114-350

Sample Location: KAFB-106114

Port Depth: 350

Date: 4-8-2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 60°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 / 1045	0.84	15.73	8	43

Sample ID: SV114-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00487

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -4.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/16/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106114-450

Sample Location: KAFB-106114

Port Depth: 450

Date: 4-8-2020

Screened Interval:
Top: 439.6 (ft. b.g.s)
Bottom: 449.6 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 60°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	23.706	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 1053	4.32	9.09	3920	6 min 15 sec

Sample ID: SV114-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00199

Regulator Number(s): NA

SUMMA Initial Pressure: -22.0 "Hg

SUMMA Final Pressure: -4.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106115-025

Sample Location: KAFB-106115

Port Depth: 025

Date: 4/15/20

Screened Interval:
Top: 14.6 (ft. b.g.s)
Bottom: 24.6 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.711	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 0855	0.46	20.82	0	26

Sample ID: SV115-025-202

Duplicate Sample ID: SV115-025-602

Canister Number(s): Primary: 1SC00316 Dup: 1SS00072

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: -26.0 "Hg D: -26.0 "Hg SUMMA Final Pressure: P: -4.0 "Hg D: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106115-050

Sample Location: KAFB-106115

Port Depth: 050

Date: 4/15/20

Screened Interval:
Top: 39.6 (ft. b.g.s)
Bottom: 49.6 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	1.788	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 0900	0.60	20.72	0	27

Sample ID: SV115-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00724

Regulator Number(s): NA

SUMMA Initial Pressure: -28.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106115-150

Sample Location: KAFB-106115

Port Depth: 150

Date: 4/15/20

Screened Interval:
Top: 144.6 (ft. b.g.s)
Bottom: 154.6 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	2.11	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0 SW	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 0904	0.42	20.07	0	32

Sample ID: SV115-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00159

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106115-250

Sample Location: KAFB-106115

Port Depth: 250

Date: 4/15/20

Screened Interval:
Top: 239.6 (ft. b.g.s)
Bottom: 249.6 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.402	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 0906	0.32	20.38	0	37

Sample ID: SV115-250-202

Duplicate Sample ID: NA

Canister Number(s): 15C01243

Regulator Number(s): NA

SUMMA Initial Pressure: -28.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106115-350

Sample Location: KAFB-106115

Port Depth: 350

Date: 4/15/20

Screened Interval:
Top: 339.6 (ft. b.g.s)
Bottom: 349.6 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	2.709	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 0910	0.32	20.52	0	41

Sample ID: SV115-350-202

Duplicate Sample ID: NA

Canister Number(s): 15C00213

Regulator Number(s): NA

SUMMA Initial Pressure: -25 "HG

SUMMA Final Pressure: -1.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106115-450

Sample Location: KAFB-106115

Port Depth: 450

Date: 4/15/20

Screened Interval:
Top: 439.6 (ft. b.g.s)
Bottom: 449.6 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	23.706	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 56	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 0918	1.42	18.90	482	5min 56sec

Sample ID: SV115-450-202

Duplicate Sample ID: NA

Canister Number(s): 15C00610

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106116-025

Sample Location: KAFB-106116

Port Depth: 025

Date: 4/7/2020

Screened Interval:
Top: 10 (ft. b.g.s)
Bottom: 19.45 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	1.606	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	25	(Seconds)

Post Purge Static Pressure (inWC) 0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1545	0.26	18.97	0	25

Sample ID: SV116-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SCØØ931

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5"HG

SUMMA Final Pressure: -1.0"HG

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106116-050

Sample Location: KAFB-106116

Port Depth: 050

Date: 4/7/2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 49.45 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.2

A. Pre-calculated purge volume (cu. ft)	1.698	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1549	0.62	17.15	0	26

Sample ID: SV116-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00945

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0" Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106116-150

Sample Location: KAFB-106116

Port Depth: 150

Date: 4/7/2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 149.45 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.005	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	31	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1552	0.60	18.72	0	32

Sample ID: SV116-150-202

Duplicate Sample ID: NA

Canister Number(s): 1550228

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "HG

SUMMA Final Pressure: -0.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106116-250

Sample Location: KAFB-106116

Port Depth: 250

Date: 4/7/2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 249.45 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	2.311	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	35	(Seconds)

Post Purge Static Pressure (inWC) -0.2

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 / 1555	0.90	18.17	1	35

Sample ID: SV116-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SS ØØØ 23

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106116-350

Sample Location: KAFB-106116

Port Depth: 350

Date: 4/7/2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 349.45 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.4

A. Pre-calculated purge volume (cu. ft)	2.618	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	40	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1558	1.32	15.57	103	40

Sample ID: SV116-350-202

Duplicate Sample ID: SV116-350-602

Canister Number(s): Primary: 1SS0874 Dup: 1SC00291

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: -23.0"Hg D: -25.0"Hg SUMMA Final Pressure: P: -2.0"Hg D: 0.0"Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106116-450

Sample Location: KAFB-106116

Port Depth: 450

Date: 4/7/2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 448.95 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No SN

If yes, describe: Rusted quick connect

Weather observations: Sunny, ~ 80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	23.502	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 53	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1609	6.24	7.12	5230	5min 53

Sample ID: SV116-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00925

Regulator Number(s): AVG #5158

SUMMA Initial Pressure: -24.0"Hg

SUMMA Final Pressure: -0.5"HG

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106117-025

Sample Location: KAFB-106117

Port Depth: 025

Date: 4-7-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.8

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1358	2.24	13.90	2	28

Sample ID: SV117-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01211

Regulator Number(s): AVG05075

SUMMA Initial Pressure: -25.0" Hg

SUMMA Final Pressure: -3.5" Hg

Comments: Initial Static Pressure reading is likely incorrect due to manometer not being 'zero-ed'. Field readings of parameters are consistent with historical readings.

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106117-050

Sample Location: KAFB-106117

Port Depth: 050

Date: 4-7-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1401	4.06	10.51	2	29

Sample ID: SV117-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00863

Regulator Number(s): AVG05123

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106117-150

Sample Location: KAFB-106117

Port Depth: 150

Date: 4-7-2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Patton

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1404	5.28	8.16	1	34

Sample ID: SV117-150-202

Duplicate Sample ID: NA

Canister Number(s): ISC00485

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0"Hg

SUMMA Final Pressure: -1.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106117-250

Sample Location: KAFB-106117

Port Depth: 250

Date: 4-7-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Pitts

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.8 ~~"Hg~~ NP

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -0.8

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1409	9.16	4.42	184	38

Sample ID: SV117-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01238

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106117-350

Sample Location: KAFB-106117

Port Depth: 350

Date: 4-7-2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.9

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1412	14.82	0.53	481	43

Sample ID: SV117-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00748

Regulator Number(s): AVG0483#

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments: Field parameters re-measured to ensure accuracy ~~even~~ NP with static pressure difference > 0.1 inWC

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106117-450

Sample Location: KAFB-106117

Port Depth: 450

Date: 4-7-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 70°F, sunny, slight breeze

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1423	13.26	0.43	7070	6 min 15 sec

Sample ID: SV117-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00751

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5" Hg

SUMMA Final Pressure: -4.0" Hg

Comments: Static pressure difference was 0.3 inWC but field readings were consistent with historical readings. Likely the manometer ~~did not~~ was not 'zero-ed' before the reading. NP

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106118-025

Sample Location: KAFB-106118

Port Depth: 025

Date: 4-21-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ NP 2.1	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~26~~ NP 49	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 0853	0.48	19.84 ~~0.48~~ NP	2	60

Sample ID: SV118-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00013

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments: Issues with getting a higher flow rate for purging so purged an extra 11 seconds

Reviewed by: Amanda Smith

Review Date: 5/16/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106118-050

Sample Location: KAFB-106118

Port Depth: 050

Date: 4-21-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ NP 2.1	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~27~~ NP 52	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 0856	0.80	19.21	1	52

Sample ID: SV118-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SL00286

Regulator Number(s): AVG04705

SUMMA Initial Pressure: -23.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106118-160

Sample Location: KAFB-106118

Port Depth: 160

Date: 4-21-2020

Screened Interval:
Top: 150 (ft. b.g.s)
Bottom: 160 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.127	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ 2.1	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~32~~ 61	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 0901	0.88	18.95	1	61

Sample ID: SV118-160-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00496

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106118-265

Sample Location: KAFB-106118

Port Depth: 265

Date: 4-21-2020

Screened Interval:
Top: 255 (ft. b.g.s)
Bottom: 265 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	2.449	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ NP 2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~37~~ NP 1min 7	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 0904	0.94	18.69	1	1 min 7

Sample ID: SV118-265-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00223

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106118-350

Sample Location: KAFB-106118

Port Depth: 350

Date: 4-21-2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ NP 2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~44~~ NP 1 min 14	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 0910	0.76	17.66	1	1 min 14 sec

Sample ID: SV118-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00018

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106118-450

Sample Location: KAFB-106118

Port Depth: 450

Date: 4-21-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	NP ~~4.0~~ 2.2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~5 min 56~~ NP 10 min 48	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 0925	1.42	15.86	29	10 min 48

Sample ID: SV118-450-202

Duplicate Sample ID: SV118-450-602

Canister Number(s): Primary: 15C00733 Dup: 15S00741

Regulator Number(s): Primary: AVG04993 Dup: AVG04965

SUMMA Initial Pressure: P: -25.0 "Hg D: -27.0 "Hg SUMMA Final Pressure: P: -1.0 "Hg D: -1.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106119-025

Sample Location: KAFB-106119

Port Depth: 025

Date: 4/22/20

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: SN + LB Team 1

Sample Team Signature: SN LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 0908	1.56	15.67	0	26

Sample ID: SV119-025-202

Duplicate Sample ID: NA

Canister Number(s): 15C01004

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106119-050

Sample Location: KAFB-106119

Port Depth: 050

Date: 4/22/20

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 0912	7.84	3.34	0	27

Sample ID: SV119-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00887

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106119-150

Sample Location: KAFB-106119

Port Depth: 150

Date: 4/22/20

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.4

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -0.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 0919	13.40	1.43	1937	32

Sample ID: SV119-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00849

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -4.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106119-250

Sample Location: KAFB-106119

Port Depth: 250

Date: 4/22/20

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.4

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -0.4

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 / 0924	8.32	11.27	7460	37

Sample ID: SV119-250-202

Duplicate Sample ID: NA

Canister Number(s): 15C00637

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106119-350

Sample Location: KAFB-106119

Port Depth: 350

Date: 4/22/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: ISD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.4

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 0928	5.50	11.00	2810	41

Sample ID: SV119-350-202

Duplicate Sample ID: NA

Canister Number(s): ISC00128

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106119-450

Sample Location: KAFB-106119

Port Depth: 450

Date: 4/22/20

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 56	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 0937	6.72	4.61	258	5min 56°

Sample ID: SV119-450-202

Duplicate Sample ID: NA

Canister Number(s): 15500998

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106120-025

Sample Location: KAFB-106120

Port Depth: 025

Date: 4/14/20

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature:

PID in Wellhead: 3.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S/A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0825	0.68	20.30	0	26

Sample ID: SV120-025-202

Duplicate Sample ID: SV120-025-602

Canister Number(s): Primary: 1SC0209 Dup: 1SS0016

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: ~~-25.0~~ -26 "HG D: -25.6 "HG

SUMMA Final Pressure: P: ~~-5.6~~ -20 "HG D: -5.2 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106120-050

Sample Location: KAFB-106120

Port Depth: 050

Date: 4/14/20

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.3

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0834	2.12	19.17	0	27

Sample ID: SV120-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00959

Regulator Number(s): NA

SUMMA Initial Pressure: -26.5 "Hg

SUMMA Final Pressure: -0.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106120-150

Sample Location: KAFB-106120

Port Depth: 150

Date: 4/14/20

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -2.2

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -2.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 / 0837	0.42	20.20	0	32

Sample ID: SV120-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C0044

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106120-250

Sample Location: KAFB-106120

Port Depth: 250

Date: 4/14/20

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.3

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -2.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0842	0.36	20.23	1	37

Sample ID: SV120-250-202

Duplicate Sample ID: NA

Canister Number(s): -1SC00530

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "HG

SUMMA Final Pressure: -2.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106120-350

Sample Location: KAFB-106120

Port Depth: 350

Date: 4/14/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.5

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -2.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0845	0.30 ~~0.3~~ RW	19.7%	2	41

Sample ID: SV120-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00526

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106120-450

Sample Location: KAFB-106120

Port Depth: 450

Date: 4/14/20

Screened Interval:
Top: 434 (ft. b.g.s)
Bottom: 444 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~40°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -2.5

A. Pre-calculated purge volume (cu. ft)	23.431	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 52	(Seconds)

Post Purge Static Pressure (inWC) -2.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0855	0.60	19.06	16	5min 52

Sample ID: SV120-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00767

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: ~~-2.5~~ LB -3.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106121-025

Sample Location: KAFB-106121

Port Depth: 025

Date: 4/14/20

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~45°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0938	1.00	20.23	0	26

Sample ID: SV121-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00763

Regulator Number(s): NA

SUMMA Initial Pressure: -26.5 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-4-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106121-050

Sample Location: KAFB-106121

Port Depth: 050

Date: 4/14/20

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: ~~SA~~SN Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~45°

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -0.4

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0942	1.10	20.20	0	27

Sample ID: SV121-050-202

Duplicate Sample ID: NA

Canister Number(s): 15C00206

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0" Hg

SUMMA Final Pressure: -2.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106121-145

Sample Location: KAFB-106121

Port Depth: 145

Date: 4/14/20

Screened Interval:
Top: 135 (ft. b.g.s)
Bottom: 145 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~45°

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -2.3

A. Pre-calculated purge volume (cu. ft)	2.081	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -2.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0946	0.30	20.33	0	32

Sample ID: SV121-145-202

Duplicate Sample ID: SV121-145-602

Canister Number(s): Primary: ~~-27.0~~ 15C01200 Dup: 1SS0102 Z

Regulator Number(s): Primary: NA Dup: AVG-05050

SUMMA Initial Pressure: P: -27.0 "HG D: -24.5 "HG SUMMA Final Pressure: P: -3.0 "HG D: 0.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106121-250

Sample Location: KAFB-106121

Port Depth: 250

Date: 4/14/20

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~45°

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.5

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -2.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0953	0.26	20.37	0	37

Sample ID: SV121-250-202

Duplicate Sample ID: NA

Canister Number(s): 15C00218

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "HG

SUMMA Final Pressure: -3.5 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106121-350

Sample Location: KAFB-106121

Port Depth: 350

Date: 4/14/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~45°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.6

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -2.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 0956	0.32	20.57	0	41

Sample ID: SV121-350-202

Duplicate Sample ID: NA

Canister Number(s): 15C00125

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106121-450

Sample Location: KAFB-106121

Port Depth: 450

Date: 4/14/20

Screened Interval:
Top: 434 (ft. b.g.s)
Bottom: 444 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~45°

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -2.6

A. Pre-calculated purge volume (cu. ft)	23.431	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 52	(Seconds)

Post Purge Static Pressure (inWC) -2.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1005	0.44	20.24	2	5min 52

Sample ID: SV121-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00974

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "HG

SUMMA Final Pressure: -2.5 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106122-025

Sample Location: KAFB-106122

Port Depth: 025

Date: 4/14/20

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1041	0.30	20.91	1	26

Sample ID: SV122-025-202

Duplicate Sample ID: NA

Canister Number(s): ~~1SS0971~~ RW 1SS0097

Regulator Number(s): NA

SUMMA Initial Pressure: -25.00 "Hg

SUMMA Final Pressure: -0.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106122-050

Sample Location: KAFB-106122

Port Depth: 050

Date: 4/14/20

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1045	1.38	20.08	0	27

Sample ID: SV122-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00776

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "HG

SUMMA Final Pressure: -5.0"HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106122-150

Sample Location: KAFB-106122

Port Depth: 150

Date: 4/14/20

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -2.3

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -2.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1048	0.32	20.25	0	32

Sample ID: SV122-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C00856

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "HG

SUMMA Final Pressure: -3.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106122-250

Sample Location: KAFB-106122

Port Depth: 250

Date: 4/14/20

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.4

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -2.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1051	0.42	20.24	0	37

Sample ID: SV122-250-202

Duplicate Sample ID: NA

Canister Number(s): 1S C00896

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106122-350

Sample Location: KAFB-106122

Port Depth: 350

Date: 4/14/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RAW SN LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~ 50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -2.5

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.6	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -2.5

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 / 1055	0.34	20.410	0	41

Sample ID: SV122-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01008

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "HG

SUMMA Final Pressure: -2.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106122-450

Sample Location: KAFB-106122

Port Depth: 450

Date: 4/14/20

Screened Interval:
Top: 434 (ft. b.g.s)
Bottom: 444 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: ~~2IA~~ S1A SW Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -2.5

A. Pre-calculated purge volume (cu. ft)	23.431	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 52	(Seconds)

Post Purge Static Pressure (inWC) -2.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1104	0.48	20.13	15	5min 52sec

Sample ID: SV122-450-202

Duplicate Sample ID: NA

Canister Number(s): 1S00747

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "HG

SUMMA Final Pressure: -3.5 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-14-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106123-025

Sample Location: KAFB-106123

Port Depth: 025

Date: 4/14/20

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~55°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1234	0.76	20.56	0	28

Sample ID: SV123-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00463

Regulator Number(s): NA

SUMMA Initial Pressure: ~25.0 "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106123-050

Sample Location: KAFB-106123

Port Depth: 050

Date: 4/14/20

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~55°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1239	1.60	19.54	0	27

Sample ID: SV123-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00638

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106123-150

Sample Location: KAFB-106123

Port Depth: 150

Date: 4/14/20

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~55°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1243	0.24	20.22	0	32

Sample ID: SV123-150-202

Duplicate Sample ID: NA

Canister Number(s): 1550090 1

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106123-250

Sample Location: KAFB-106123

Port Depth: 250

Date: 4/14/20

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny ~55°

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.9

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -1.8

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1248	0.36	19.61	0	37

Sample ID: SV123-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00265

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106123-350

Sample Location: KAFB-106123

Port Depth: 350

Date: 4/14/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~55°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.9

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -1.9

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1252	0.38	19.97	0	41

Sample ID: SV123-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00560

Regulator Number(s): NA

SUMMA Initial Pressure: -23.5"Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106123-450

Sample Location: KAFB-106123

Port Depth: 450

Date: 4/14/20

Screened Interval:
Top: 432 (ft. b.g.s)
Bottom: 442 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~55°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.9

A. Pre-calculated purge volume (cu. ft)	23.333	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 50	(Seconds)

Post Purge Static Pressure (inWC) LB ~~-1.9~~ -1.9

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1300	0.50	19.07	0	5min 50sec

Sample ID: SV123-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00612

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106124-025

Sample Location: KAFB-106124

Port Depth: 025

Date: 4-7-2020

Screened Interval:
Top: 15.1 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: ~60°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.696	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) **1.** Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1200	0.22	20.42	0	27

Sample ID: SV124-025-202

Duplicate Sample ID: NA

Canister Number(s): 1550024O

Regulator Number(s): AVG0457U

SUMMA Initial Pressure: -23.5"Hg

SUMMA Final Pressure: -3.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106124-050

Sample Location: KAFB-106124

Port Depth: 050

Date: 4-7-2020

Screened Interval:
Top: 40.1 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~60°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.773	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1203	1.12	19.63	0	28

Sample ID: SV124-050-202

Duplicate Sample ID: NA

Canister Number(s): ISC00669

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106124-150

Sample Location: KAFB-106124

Port Depth: 150

Date: 4-7-2020

Screened Interval:
Top: 140.1 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~60°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.0

A. Pre-calculated purge volume (cu. ft)	2.08	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	33	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1207	0.40	19.68	0	33

Sample ID: SV124-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C01203

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0"Hg

SUMMA Final Pressure: -0.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106124-250

Sample Location: KAFB-106124

Port Depth: 250

Date: 4-7-2020

Screened Interval:
Top: 240.1 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: ~60°F, sunny, clear, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.1

A. Pre-calculated purge volume (cu. ft)	2.387	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1210	0.22	20.04	0	38

Sample ID: SV124-250-202

Duplicate Sample ID: SV124-250-602

Canister Number(s): Primary: 15500588 Dup: 15500139

Regulator Number(s): Primary: AVG05121 Dup: NA

SUMMA Initial Pressure: P: -24.0"Hg D: -25.0"Hg SUMMA Final Pressure: P: -2.0"Hg D: -2.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106124-350

Sample Location: KAFB-106124

Port Depth: 350

Date: 4-7-2020

Screened Interval:
Top: 340.1 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: ~60°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -1.1

A. Pre-calculated purge volume (cu. ft)	2.693	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1215	0.28	20.42	6	43

Sample ID: SV124-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00756

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5"Hg

SUMMA Final Pressure: -2.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106124-450

Sample Location: KAFB-106124

Port Depth: 450

Date: 4-7-2020

Screened Interval:
Top: 440.1 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~60°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.0

A. Pre-calculated purge volume (cu. ft)	23.709	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6min 15sec	(Seconds)

Post Purge Static Pressure (inWC) -1.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1226	0.50	20.03	203	6 min 15 sec

Sample ID: SV124-450-202

Duplicate Sample ID: NA

Canister Number(s): 15501007

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0"Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106125-025

Sample Location: KAFB-106125

Port Depth: 025

Date: 4-7-2020

Screened Interval:
Top: 15.2 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 57°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.68	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1103	1.12	19.96	2	27

Sample ID: SV125-025-202

Duplicate Sample ID: NA

Canister Number(s): ISC00202

Regulator Number(s): NA

SUMMA Initial Pressure: -28.0 "Hg

SUMMA Final Pressure: -3.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106125-050

Sample Location: KAFB-106125

Port Depth: 050

Date: 4-7-2020

Screened Interval:
Top: 40.2 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: ——

Weather observations: 57°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.757	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1106	2.38	19.34	2	28

Sample ID: SV125-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00106

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106125-150

Sample Location: KAFB-106125

Port Depth: 150

Date: 4-7-2020

Screened Interval:
Top: 140.2 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 57°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.063	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	33	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1110	0.38	20.22	2	33

Sample ID: SV125-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00304

Regulator Number(s): AVG05120

SUMMA Initial Pressure: -20.0" Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106125-250

Sample Location: KAFB-106125

Port Depth: 250

Date: 4-7-2020

Screened Interval:
Top: 240.2 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: —

Weather observations: 57°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.4

A. Pre-calculated purge volume (cu. ft)	2.37	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1113	0.20	20.30	2	38

Sample ID: SV125-250-202

Duplicate Sample ID: NA

Canister Number(s): 15500940

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106125-350

Sample Location: KAFB-106125

Port Depth: 350

Date: 4-7-2020

Screened Interval:
Top: 340.2 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 57°F, sunny, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.677	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1116	0.24	20.71	5	43

Sample ID: SV125-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00929

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106125-450

Sample Location: KAFB-106125

Port Depth: 450

Date: 4-7-2020

Screened Interval:
Top: 440.2 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 57°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port (Yes) - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	23.693	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1127	0.64	20.18	77	6 min 58 sec

Sample ID: SV125-450-202

Duplicate Sample ID: NA

Canister Number(s): ISC00754

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -3.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106126-025

Sample Location: KAFB-106126

Port Depth: 025

Date: 4/21/20

Screened Interval:
Top: 15.1 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F windy

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.696	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1235	0.88	19.99	0	26

Sample ID: SV126-025-202

Duplicate Sample ID: NA

Canister Number(s): 15500227

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106126-050

Sample Location: KAFB-106126

Port Depth: 050

Date: 4/21/20

Screened Interval:
Top: 40.1 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Clear 60°F windy

Pump ID: 1 Horiba ID: 2 Sample System ID: SID Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	1.773	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1238	1.28	19.60	0	27

Sample ID: SV126-050-202

Duplicate Sample ID: NA

Canister Number(s): 15C00189

Regulator Number(s): AVG04816

SUMMA Initial Pressure: -23.5 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-23-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106126-150

Sample Location: KAFB-106126

Port Depth: 150

Date: 4/21/20

Screened Interval:
Top: 140.1 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.3

A. Pre-calculated purge volume (cu. ft)	2.08	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -0.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1241	0.24	19.82	0	32

Sample ID: SV126-150-202

Duplicate Sample ID: NA

Canister Number(s): 15500123

Regulator Number(s): AV60482

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106126-250

Sample Location: KAFB-106126

Port Depth: 250

Date: 4/21/20

Screened Interval:
Top: 240.1 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F windy

Pump ID: 1 Horiba ID: 2 Sample System ID: 150 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.3

A. Pre-calculated purge volume (cu. ft)	2.387	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	36	(Seconds)

Post Purge Static Pressure (inWC) -0.4

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 / 1243	0.20	19.96	0	36

Sample ID: SV126-250-202

Duplicate Sample ID: NA

Canister Number(s): 15500163

Regulator Number(s): NA

SUMMA Initial Pressure: -23.5 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106126-350

Sample Location: KAFB-106126

Port Depth: 350

Date: 4/21/20

Screened Interval:
Top: 340.1 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RWSN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	2.693	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -0.2

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 / 1246	0.24	20.49	6	41

Sample ID: SV126-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00194

Regulator Number(s): AUG04949

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106126-450

Sample Location: KAFB-106126

Port Depth: 450

Date: 4/21/20

Screened Interval:
Top: 440.2 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.3

A. Pre-calculated purge volume (cu. ft)	23.693	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5 min 56 sec	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1256	0.54	20.15	423	6min 19 sec

Sample ID: SV126-450-202

Duplicate Sample ID: NA

Canister Number(s): 15C01005

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments: Well port purged extra 23 seconds

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106127-025

Sample Location: KAFB-106127

Port Depth: 025

Date: 4-7-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: ~50°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ NP 3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~26~~ NP 27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 0936	0.46	20.54	4	27

Sample ID: SV127-025-202

Duplicate Sample ID: NA

Canister Number(s): 15C00934

Regulator Number(s): AVG###99

SUMMA Initial Pressure: -25.5"Hg

SUMMA Final Pressure: -3.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106127-050

Sample Location: KAFB-106127

Port Depth: 050

Date: 4-7-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: ~50°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ NP 3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 0941	0.78	20.14	4	29

Sample ID: SV127-050-202

Duplicate Sample ID: NA

Canister Number(s): ISC00156

Regulator Number(s): AVG05107

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/12/2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106127-150

Sample Location: KAFB-106127

Port Depth: 150

Date: 4-7-2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: ~50°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.7

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -1.7

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 0947	0.24	20.37	4	34

Sample ID: SV127-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C00943

Regulator Number(s): ~~NA~~ NP AVG03260

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106127-250

Sample Location: KAFB-106127

Port Depth: 250

Date: 4-7-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~50°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 0954	0.20	20.35	2	38

Sample ID: SV127-250-202

Duplicate Sample ID: SV127-250-602

Canister Number(s): Primary: 15S00801 Dup: 15S01018

Regulator Number(s): Primary: AVG05044 Dup: NA

SUMMA Initial Pressure: P: -24.0 "Hg D: -23.0 "Hg

SUMMA Final Pressure: P: -1.0" Hg D: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106127-350

Sample Location: KAFB-106127

Port Depth: 350

Date: 4-7-2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: —

Weather observations: ~50°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.8

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.8

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 / 1003	0.22	20.30	4	43

Sample ID: SV127-350-202

Duplicate Sample ID: NA

Canister Number(s): ISC00528

Regulator Number(s): NA

SUMMA Initial Pressure: ~~-23.0 "Hg~~ NP -24.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments: Regulator did not read zero out at zero, it zeroed out at -4.0 "Hg.

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106127-450

Sample Location: KAFB-106127

Port Depth: 450

Date: 4-7-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Petta

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: ~50°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.7

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-7-2020 1016	0.48	19.85	105	6 min 15 sec

Sample ID: SV127-450-202

Duplicate Sample ID: NA

Canister Number(s): 15500743

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106128-025

Sample Location: KAFB-106128

Port Depth: 025

Date: 4-8-2020

Screened Interval:
Top: 15.04 (ft. b.g.s)
Bottom: 25.04 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Pitts

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0935	2.58	10.68	2	28

Sample ID: SV128-025-202

Duplicate Sample ID: NA

Canister Number(s): 1560199

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments: Static pressure difference was 0.5 inWC but field readings match historical readings. Likely a manometer error.

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106128-050

Sample Location: KAFB-106128

Port Depth: 050

Date: 4-8-2020

Screened Interval:
Top: 40.07 (ft. b.g.s)
Bottom: 50.07 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.79	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0939	4.48	9.13	2	29

Sample ID: SV128-050-202

Duplicate Sample ID: NA

Canister Number(s): 15501024

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106128-150

Sample Location: KAFB-106128

Port Depth: 150

Date: 4-8-2020

Screened Interval:
Top: 140.19 (ft. b.g.s)
Bottom: 150.19 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.1

A. Pre-calculated purge volume (cu. ft)	2.097	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 / 0941	3.48	10.85	2	34

Sample ID: SV128-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00411

Regulator Number(s): AVG05##6

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106128-250

Sample Location: KAFB-106128

Port Depth: 250

Date: 4-8-2020

Screened Interval:
Top: 240.29 (ft. b.g.s)
Bottom: 250.29 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.1

A. Pre-calculated purge volume (cu. ft)	2.404	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0945	12.08	0.42	291	38

Sample ID: SV128-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00875

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106128-350

Sample Location: KAFB-106128

Port Depth: 350

Date: 4-8-2020

Screened Interval:
Top: 340.39 (ft. b.g.s)
Bottom: 350.39 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Petra

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.4

A. Pre-calculated purge volume (cu. ft)	2.711	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0948	8.66	4.12	6710	43

Sample ID: SV128-350-202

Duplicate Sample ID: NA

Canister Number(s): 15C00473

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -4.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106128-450

Sample Location: KAFB-106128

Port Depth: 450

Date: 4-8-2020

Screened Interval:
Top: 440.06 (ft. b.g.s)
Bottom: 450.06 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nisha Patel

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.9

A. Pre-calculated purge volume (cu. ft)	23.728	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -2.1

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 / 1000	10.66	1.14	11830	6 min 15 sec

Sample ID: SV128-450-202

Duplicate Sample ID: NA

Canister Number(s): 15C01216

Regulator Number(s): NA

SUMMA Initial Pressure: -23.5 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments: Pressure difference was 0.2 inWC but field readings are consistent with historical readings.

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106129-025

Sample Location: KAFB-106129

Port Depth: 025

Date: 4/21/20

Screened Interval:
Top: 15.1 (ft. b.g.s)
Bottom: 25.1 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW ~~LB~~ SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1136	0.16	20.35	0	26

Sample ID: SV129-025-202

Duplicate Sample ID: NA

Canister Number(s): 15500039

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -4.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106129-050

Sample Location: KAFB-106129

Port Depth: 050

Date: 4/21/20

Screened Interval:
Top: 39.7 (ft. b.g.s)
Bottom: 49.7 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	1.788	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1140	0.18	20.37	1	27

Sample ID: SV129-050-202

Duplicate Sample ID: NA

Canister Number(s): 15500232

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106129-150

Sample Location: KAFB-106129

Port Depth: 150

Date: 4/21/20

Screened Interval:
Top: 140.2 (ft. b.g.s)
Bottom: 150.2 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.4

A. Pre-calculated purge volume (cu. ft)	2.097	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -0.4

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 / 1143	0.24	20.10	1	38

Sample ID: SV129-150-202

Duplicate Sample ID: NA

Canister Number(s): 15501003

Regulator Number(s): NA

SUMMA Initial Pressure: -29.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments: 6 second over purged

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106129-250

Sample Location: KAFB-106129

Port Depth: 250

Date: 4/21/20

Screened Interval:
Top: 240.1 (ft. b.g.s)
Bottom: 250.1 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead:

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Clear ~~60°F~~ 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.4

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -0.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1146	0.46	19.87	1	37

Sample ID: SV129-250-202

Duplicate Sample ID: NA

Canister Number(s): 15 500 805

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106129-350

Sample Location: KAFB-106129

Port Depth: 350

Date: 4/21/20

Screened Interval:
Top: 337.4 (ft. b.g.s)
Bottom: 347.4 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 150 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	2.702	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1150	0.62	19.31	0	41

Sample ID: SV129-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS01033

Regulator Number(s): AVG 05026

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106129-450

Sample Location: KAFB-106129

Port Depth: 450

Date: 4/21/20

Screened Interval:
Top: 440.7 (ft. b.g.s)
Bottom: 450.7 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	23.76	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5 min 57 sec	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1200	1.14	17.96	138	5 min 57 sec

Sample ID: SV129-450-202

Duplicate Sample ID: NA

Canister Number(s): 15C00950

Regulator Number(s): AVG04501

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106130-025

Sample Location: KAFB-106130

Port Depth: 025

Date: 4/22/20

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 / 1008	0.12	20.59	0	26

Sample ID: SV130-025-202

Duplicate Sample ID: NA

Canister Number(s): IS500165

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106130-050

Sample Location: KAFB-106130

Port Depth: 050

Date: 4/22/20

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 1011	0.16	20.49	0	27

Sample ID: SV130-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00995

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106130-150

Sample Location: KAFB-106130

Port Depth: 150

Date: 4/22/20

Screened Interval:
Top: 150 (ft. b.g.s)
Bottom: 160 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.3

A. Pre-calculated purge volume (cu. ft)	2.127	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 1014	0.48	19.99	0	32

Sample ID: SV130-150-202

Duplicate Sample ID: NA

Canister Number(s): 1S500718

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106130-250

Sample Location: KAFB-106130

Port Depth: 250

Date: 4/22/20

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.3

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 / 1018	0.72	19.92	0	37

Sample ID: SV130-250-202

Duplicate Sample ID: NA

Canister Number(s): 15500938

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106130-350

Sample Location: KAFB-106130

Port Depth: 350

Date: 4/22/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.3

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 / 1021	0.78	19.23	0	41

Sample ID: SV130-350-202

Duplicate Sample ID: NA

Canister Number(s): 15C00043

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106130-450

Sample Location: KAFB-106130

Port Depth: 450

Date: 4/22/20

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN + LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.4

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 56	(Seconds)

Post Purge Static Pressure (inWC) -0.4

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/22/20 / 1030	1.66	17.40	40	5 min 56 sec

Sample ID: SV130-450-202

Duplicate Sample ID: SV130-450-602

Canister Number(s): Primary: 1SC00130 Dup: 1SS00126

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: -25.0 "Hg D: ~~-21~~ -24.5 "Hg RW

SUMMA Final Pressure: P: ~~-24.5~~ -2.5 "Hg D: 0.0 "Hg RW

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106131-025

Sample Location: KAFB-106131

Port Depth: 025

Date: 4/15/20

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 1115	0.32	20.12	1	26

Sample ID: SV131-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00905

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106131-055

Sample Location: KAFB-106131

Port Depth: 055

Date: 4/15/20

Screened Interval:
Top: 45 (ft. b.g.s)
Bottom: 55 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1 A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.805	(Ft^3)
B. Flow rate on flowmeter for air pump	~~28~~ SN 4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 1118	0.28	19.55	0	28

Sample ID: SV131-055-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00604

Regulator Number(s): NA

SUMMA Initial Pressure: -20.0 "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106131-150

Sample Location: KAFB-106131

Port Depth: 150

Date: 4/15/20

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.9

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	~~32~~ SW 4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -1.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 1122	0.36	19.65	0	32

Sample ID: SV131-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C00728

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106131-245

Sample Location: KAFB-106131

Port Depth: 245

Date: 4/15/20

Screened Interval:
Top: 235 (ft. b.g.s)
Bottom: 245 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: (Yes) - ~~No~~ LB

If yes, describe: Sticky Quick connect

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.0

A. Pre-calculated purge volume (cu. ft)	2.388	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	36	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 1126	0.44	19.47	0	36

Sample ID: SV131-245-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00232

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106131-350

Sample Location: KAFB-106131

Port Depth: 350

Date: 4/15/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: -

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 1129	0.30	17.13	0	41

Sample ID: SV131-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS01052

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106131-450

Sample Location: KAFB-106131

Port Depth: 450

Date: 4/15/20

Screened Interval:
Top: 430 (ft. b.g.s)
Bottom: 440 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	23.234	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 59 SW 49	(Seconds)

Post Purge Static Pressure (inWC) -1.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/20 1138	0.62	15.40	223	5 MIN 50sec

Sample ID: SV131-450-202

Duplicate Sample ID: NA

Canister Number(s): 1550083 1

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -4.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106132-025

Sample Location: KAFB-106132

Port Depth: 025

Date: 4-14-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 35°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 0803	2.02	18.92	0	28

Sample ID: SV132-025-202

Duplicate Sample ID: NA

Canister Number(s): 15500587

Regulator Number(s): AVG04232

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/16/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106132-050

Sample Location: KAFB-106132

Port Depth: 050

Date: 4-14-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 35°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) -0.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0807	1.98	18.95	0	29

Sample ID: SV132-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00939

Regulator Number(s): AVG04457

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106132-175

Sample Location: KAFB-106132

Port Depth: 175

Date: 4-14-2020

Screened Interval:
Top: 164 (ft. b.g.s)
Bottom: 174 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 35°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.2

A. Pre-calculated purge volume (cu. ft)	2.17	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	35	(Seconds)

Post Purge Static Pressure (inWC) -2.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0810	0.54	19.59	1	35

Sample ID: SV132-175-202

Duplicate Sample ID: NA

Canister Number(s): 1SL00050

Regulator Number(s): AVG03813

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106132-250

Sample Location: KAFB-106132

Port Depth: 250

Date: 4-14-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 35°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -2.2

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -2.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0813	0.36	20.07	0	38

Sample ID: SV132-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01001

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0" Hg

SUMMA Final Pressure: -1.5" Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106132-350

Sample Location: KAFB-106132

Port Depth: 350

Date: 4-14-2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 35°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.1

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -2.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0816	0.00	20.20	0	43

Sample ID: SV132-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SSC0985

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106132-450

Sample Location: KAFB-106132

Port Depth: 450

Date: 4-14-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 35°F, Sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.0

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	~~3.8~~ NP 3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.9

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0825	0.90	19.82	0	6 min 15 sec

Sample ID: SV132-450-202

Duplicate Sample ID: NA

Canister Number(s): 15C00991

Regulator Number(s): AVG0444

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106133-025

Sample Location: KAFB-106133

Port Depth: 025

Date: 4-8-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0831	1.72	19.66	2	27

Sample ID: SV133-025-202

Duplicate Sample ID: NA

Canister Number(s): 15C00116

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5"Hg

SUMMA Final Pressure: -2.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106133-050

Sample Location: KAFB-106133

Port Depth: 050

Date: 4-8-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0834	1.62	19.60	1	29

Sample ID: SV133-050-202

Duplicate Sample ID: NA

Canister Number(s): 15500807

Regulator Number(s): AVG03841

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106133-170

Sample Location: KAFB-106133

Port Depth: 170

Date: 4-8-2020

Screened Interval:
Top: 160 (ft. b.g.s)
Bottom: 170 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Pitts

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	2.158	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	35	(Seconds)

Post Purge Static Pressure (inWC) -1.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0838	0.50	19.69	3	35

Sample ID: SV133-170-202

Duplicate Sample ID: NA

Canister Number(s): 15500861

Regulator Number(s): AVG04790

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -3.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106133-250

Sample Location: KAFB-106133

Port Depth: 250

Date: 4-8-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes No

Initial Static Pressure (inWC) -1.1

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0843	0.62	19.45	3	38

Sample ID: SV133-250-202

Duplicate Sample ID: SV133-250-602

Canister Number(s): Primary: 1SS00528 Dup: 1SC00346

Regulator Number(s): Primary: AVG04203 Dup: NA

SUMMA Initial Pressure: P:-26.5"Hg D:-25.5"Hg SUMMA Final Pressure: P:-3.0"Hg D:-2.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106133-350

Sample Location: KAFB-106133

Port Depth: 350

Date: 4-8-2020

Screened Interval:
Top: 339 (ft. b.g.s)
Bottom: 349 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port (Yes) - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.707	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 0848	0.74	19.50	2	43

Sample ID: SV133-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00472

Regulator Number(s): AVG#4320

SUMMA Initial Pressure: -24.5"Hg

SUMMA Final Pressure: -1.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106133-450

Sample Location: KAFB-106133

Port Depth: 450

Date: 4-8-2020

Screened Interval:
Top: 439 (ft. b.g.s)
Bottom: 449 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 55°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	23.676	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 14 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.7

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-8-2020 / 0858	1.30	18.36	49	6 min 14 sec

Sample ID: SV133-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00007

Regulator Number(s): AVG04875

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments: Static pressure difference was 0.5 inWC but field readings are consistent with historical readings. Likely a manometer error.

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106134-025

Sample Location: KAFB-106134

Port Depth: 025

Date: 4-14-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 45°F, sunny,

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1251	0.16	20.51	2	28

Sample ID: SV134-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SS01011

Regulator Number(s): NA

SUMMA Initial Pressure: -26.5"Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106134-050

Sample Location: KAFB-106134

Port Depth: 050

Date: 4-14-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 45°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1253	0.20	20.54	1	29

Sample ID: SV134-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00478

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106134-170

Sample Location: KAFB-106134

Port Depth: 170

Date: 4-14-2020

Screened Interval:
Top: 160 (ft. b.g.s)
Bottom: 170 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 45°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.158	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	35	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1256	0.24	20.34	1	35

Sample ID: SV134-170-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00857

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106134-250

Sample Location: KAFB-106134

Port Depth: 250

Date: 4-14-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 45°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) **1.** Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 1300	0.30	20.24	1	38

Sample ID: SV134-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00087

Regulator Number(s): AVG04776

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106134-350

Sample Location: KAFB-106134

Port Depth: 350

Date: 4-14-2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 45°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 1303	0.42	20.30	2	43

Sample ID: SV134-350-202

Duplicate Sample ID: SV134-350-602

Canister Number(s): Primary: 1SC00384 Dup: 1SC01044

Regulator Number(s): Primary: NA Dup: AVG048##

SUMMA Initial Pressure: P:-25.0"Hg D:-25.0" Hg SUMMA Final Pressure: P:-1.5"Hg D:-3.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106134-450

Sample Location: KAFB-106134

Port Depth: 450

Date: 4-14-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 45°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1313	0.60	19.99	46	6 min 15 sec

Sample ID: SV134-450-202

Duplicate Sample ID: NA

Canister Number(s): ISC00502

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106135-025

Sample Location: KAFB-106135

Port Depth: 025

Date: 4-14-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Petros

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 37°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0914	0.32	21.23	3	28

Sample ID: SV135-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00812

Regulator Number(s): AVG04834

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106135-050

Sample Location: KAFB-106135

Port Depth: 050

Date: 4-14-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 37°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0917	0.38	21.29	3	29

Sample ID: SV135-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SSOC851

Regulator Number(s): AVG05152

SUMMA Initial Pressure: -24.0"Hg

SUMMA Final Pressure: -1.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106135-150

Sample Location: KAFB-106135

Port Depth: 150

Date: 4-14-2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 37°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -1.7

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -1.9

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 0921	0.24	21.09	4	34

Sample ID: SV135-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00115

Regulator Number(s): AVG03946

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments: Static pressure difference was 0.2 inWC, but field readings are consistent with historical readings

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106135-250

Sample Location: KAFB-106135

Port Depth: 250

Date: 4-14-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nevin Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 37°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.5

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -2.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0924	0.30	21.46	5	38

Sample ID: SV135-250-202

Duplicate Sample ID: SV135-250-602

Canister Number(s): Primary: 1SS01034 Dup: 1SS00739

Regulator Number(s): Primary: NA Dup: AVG04###9

SUMMA Initial Pressure: P:-25.0 "Hg D:-24.0"Hg SUMMA Final Pressure: P:-1.0 "Hg D:-3.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106135-350

Sample Location: KAFB-106135

Port Depth: 350

Date: 4-14-2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 37°F, Sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.7

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -2.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0929	0.36	20.42	5	43

Sample ID: SV135-350-202

Duplicate Sample ID: NA

Canister Number(s): 15C00509

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0" Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106135-450

Sample Location: KAFB-106135

Port Depth: 450

Date: 4-14-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 37°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.7

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -2.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 0938	0.42	20.09	6	6 min 15 sec

Sample ID: SV135-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00812

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments: Static pressure difference was 0.4 inWC but field readings are consistent with historical readings

Reviewed by: Amanda Smith

Review Date: 5/16/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106136-025

Sample Location: KAFB-106136

Port Depth: 025

Date: 4/8/2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: ~~0~~ FN 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 / 1458	0.26	20.54	0	26

Sample ID: SV136-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01228

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106136-050

Sample Location: KAFB-106136

Port Depth: 050

Date: 4/8/2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1501	0.24	20.50	0	27

Sample ID: SV136-050-202

Duplicate Sample ID: NA

Canister Number(s): 15500171

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106136-150

Sample Location: KAFB-106136

Port Depth: 150

Date: 4/8/2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1545	0.12	20.42	0	32

Sample ID: SV136-150-202

Duplicate Sample ID: NA

Canister Number(s): ~~15500855~~ RW 15C00605

Regulator Number(s): NA

SUMMA Initial Pressure: ~~-26.0~~ RW -24.5 RW "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106136-250

Sample Location: KAFB-106136

Port Depth: 250

Date: 4/8/2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1553	0.14	20.61	0	37

Sample ID: SV136-250-202

Duplicate Sample ID: NA

Canister Number(s): ~~1SC00605~~ RV ~~1SC00855~~ RW 1SC01295

Regulator Number(s): NA

SUMMA Initial Pressure: ~~-24.5~~ RV -26.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106136-350

Sample Location: KAFB-106136

Port Depth: 350

Date: 4/8/2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.3

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 / 1601	0.18	20.60	0	41

Sample ID: SV136-350-202

Duplicate Sample ID: NA

Canister Number(s): 15500795

Regulator Number(s): AVG 03740

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106136-450

Sample Location: KAFB-106136

Port Depth: 450

Date: 4/8/2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - ~~No~~ SW

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 56	(Seconds)

Post Purge Static Pressure (inWC) -0.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1611	0.04	20.35	0	5min 56sec

Sample ID: SV136-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00247

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106137-025

Sample Location: KAFB-106137

Port Depth: 025

Date: 4-14-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 40°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1017	0.20	20.49	0	28

Sample ID: SV137-025-202

Duplicate Sample ID: NA

Canister Number(s): 15500990

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0"Hg

SUMMA Final Pressure: -3.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106137-050

Sample Location: KAFB-106137

Port Depth: 050

Date: 4-14-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 40°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1020	0.28	20.32	0	29

Sample ID: SV137-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00028

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106137-150

Sample Location: KAFB-106137

Port Depth: 150

Date: 4-14-2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 40°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 1022	0.22	19.96	0	34

Sample ID: SV137-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00922

Regulator Number(s): AVG04682

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106137-250

Sample Location: KAFB-106137

Port Depth: 250

Date: 4-14-2020

Screened Interval:
Top: 240.1 (ft. b.g.s)
Bottom: 250.1 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 40°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.3

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -2.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1026	0.24	19.99	0	38

Sample ID: SV137-250-202

Duplicate Sample ID: NA

Canister Number(s): ISC00471

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5" Hg

SUMMA Final Pressure: -1.5" Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106137-350

Sample Location: KAFB-106137

Port Depth: 350

Date: 4-14-2020

Screened Interval:
Top: 340.5 (ft. b.g.s)
Bottom: 350.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 40°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.4

A. Pre-calculated purge volume (cu. ft)	2.711	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -2.5

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1029	0.30	20.14	1	43

Sample ID: SV137-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00182

Regulator Number(s): AVG051 ##

SUMMA Initial Pressure: -26.0" Hg

SUMMA Final Pressure: -4.5" Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/16/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106137-450

Sample Location: KAFB-106137

Port Depth: 450

Date: 4-14-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 40°F, sunny, breezy

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -2.4

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15	(Seconds)

Post Purge Static Pressure (inWC) -2.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 1038	1.02	19.41	339	6 min 15 sec

Sample ID: SV137-450-202

Duplicate Sample ID: NA

Canister Number(s): 1S100044

Regulator Number(s): AVG04680

SUMMA Initial Pressure: -24.0"Hg

SUMMA Final Pressure: -1.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106138-025

Sample Location: KAFB-106138

Port Depth: 025

Date: 4/8/2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 0836	2.60	19.15	0	26

Sample ID: SV138-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SSD0978

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0" Hg

SUMMA Final Pressure: -5.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106138-050

Sample Location: KAFB-106138

Port Depth: 050

Date: 04/08/2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
04/08/2020 / 0839	3.24	18.27	0	27

Sample ID: SV138-050-202

Duplicate Sample ID: NA

Canister Number(s): ~~1SC00448~~ SN 1SC00446

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -0.5" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106138-150

Sample Location: KAFB-106138

Port Depth: 150

Date: 4/8/2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -1.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 0843	0.28	19.54	0	32

Sample ID: SV138-150-202

Duplicate Sample ID: SV138-150-602

Canister Number(s): Primary: 1SS00946 Dup: 1SS00868

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: -25.0"Hg D: -26.0"Hg

SUMMA Final Pressure: P: -2.0"Hg D: -3.0"Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106138-250

Sample Location: KAFB-106138

Port Depth: 250

Date: 04/08/2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SJ

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.7

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -1.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 0847	0.32	20.07	0	37

Sample ID: SV138-250-202

Duplicate Sample ID: NA

Canister Number(s): ISCØ0698

Regulator Number(s): AVG Ø4685

SUMMA Initial Pressure: -26.0" Hg

SUMMA Final Pressure: -0.5" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106138-350

Sample Location: KAFB-106138

Port Depth: 350

Date: 4/8/2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 1 Sample System ID: GFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.8

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -1.8

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 0851	0.28	20.54	0	41

Sample ID: SV138-350-202

Duplicate Sample ID: NA

Canister Number(s): ISC 00857

Regulator Number(s): AVG 01783

SUMMA Initial Pressure: -23.5" Hg

SUMMA Final Pressure: 0.0 " Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106138-450

Sample Location: KAFB-106138

Port Depth: 450

Date: 4/8/2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~50°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.8

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 56	(Seconds)

Post Purge Static Pressure (inWC) -1.8

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 0901	2.08	19.37	1	6min 5

Sample ID: SV138-450-202

Duplicate Sample ID: NA

Canister Number(s): ISC 60988

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106139-025

Sample Location: KAFB-106139

Port Depth: 025

Date: 4-14-2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 43°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 1202	0.46	20.30	2	28

Sample ID: SV139-025-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00848

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0"Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106139-050

Sample Location: KAFB-106139

Port Depth: 050

Date: 4-14-2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: —

Weather observations: 43°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	29	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 1205	0.76	20.00	0	29

Sample ID: SV139-050-202

Duplicate Sample ID: SV139-050-602

Canister Number(s): Primary: 1SS00179 Dup: 1SC00263

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: -25.0 "Hg D: -26.0 "Hg SUMMA Final Pressure: P: -2.5 "Hg D: -4.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106139-150

Sample Location: KAFB-106139

Port Depth: 150

Date: 4-14-2020

Screened Interval:
Top: 140 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 43°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.9

A. Pre-calculated purge volume (cu. ft)	2.096	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	34	(Seconds)

Post Purge Static Pressure (inWC) -1.9

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1209	0.64	19.27	1	34

Sample ID: SV139-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00434

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106139-250

Sample Location: KAFB-106139

Port Depth: 250

Date: 4-14-2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 43°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.7

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	38	(Seconds)

Post Purge Static Pressure (inWC) -1.7

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1212	0.50	19.45	2	38

Sample ID: SV139-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00884

Regulator Number(s): AVG04813

SUMMA Initial Pressure: -26.0"Hg

SUMMA Final Pressure: -3.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106139-350

Sample Location: KAFB-106139

Port Depth: 350

Date: 4-14-2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 43°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -2.2

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	43	(Seconds)

Post Purge Static Pressure (inWC) -2.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 1215	0.42	19.85	0	43

Sample ID: SV139-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00611

Regulator Number(s): AVG03563

SUMMA Initial Pressure: -27.0"Hg

SUMMA Final Pressure: -2.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106139-450

Sample Location: KAFB-106139

Port Depth: 450

Date: 4-14-2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 43°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.9

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	6 min 15 sec	(Seconds)

Post Purge Static Pressure (inWC) -2.1

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-14-2020 / 1223	0.40	20.13	1	6 min 15 sec

Sample ID: SV139-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00949

Regulator Number(s): AVG05146

SUMMA Initial Pressure: -25.0"Hg

SUMMA Final Pressure: -1.0"Hg

Comments: Static pressure difference was 0.2 inWC but field readings are consistent with historical readings

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106140-025

Sample Location: KAFB-106140

Port Depth: 025

Date: 4/14/20

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 5IA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1344	0.16	20.68	0	26

Sample ID: SV140-025-202

Duplicate Sample ID: NA

Canister Number(s): ISC00727

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "HG

SUMMA Final Pressure: 0.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106140-050

Sample Location: KAFB-106140

Port Depth: 050

Date: 4/14/20

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.2

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1347	0.16	21.06	0	27

Sample ID: SV140-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00047

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "HG

SUMMA Final Pressure: -5.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106140-150

Sample Location: KAFB-106140

Port Depth: 150

Date: 4/14/20

Screened Interval:
Top: 141.8 (ft. b.g.s)
Bottom: 151.8 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	2.102	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	32	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1351	0.14	20.50	0	32

Sample ID: SV140-150-202

Duplicate Sample ID: NA

Canister Number(s): 15500976

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106140-250

Sample Location: KAFB-106140

Port Depth: 250

Date: 4/14/20

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) ~1.4

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1355	0.18	20.08	0	37

Sample ID: SV140-250-202

Duplicate Sample ID: NA

Canister Number(s): 15C00553

Regulator Number(s): NA

SUMMA Initial Pressure: ~26.0 "HG

SUMMA Final Pressure: -5.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106140-350

Sample Location: KAFB-106140

Port Depth: 350

Date: 4/14/20

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No LR

If yes, describe: Rusty Quickconnect

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 1359	0.26	21.11	2	41

Sample ID: SV140-350-202

Duplicate Sample ID: NA

Canister Number(s): 15C00908

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "HG

SUMMA Final Pressure: -2.0 "HG

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106140-450

Sample Location: KAFB-106140

Port Depth: 450

Date: 4/14/20

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 56	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/14/20 ~~LB 1403 1410~~	0.46	21.15	9	5 min 56 sec

Sample ID: SV140-450-202

Duplicate Sample ID: SV140-450-602

Canister Number(s): Primary: 1SC01347 Dup: 1SC01027

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: -25.0 "Hg D: -24.8 "Hg SUMMA Final Pressure: P: -2.0 "Hg D: -4.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106141-025

Sample Location: KAFB-106141

Port Depth: 025

Date: 4/8/2020

Screened Interval:
Top: 15 (ft. b.g.s)
Bottom: 25 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 1 Sample System ID: BFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	1.713	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1003	0.62	19.44	0	26

Sample ID: SV141-025-202

Duplicate Sample ID: NA

Canister Number(s): 15C00793

Regulator Number(s): ~~NA~~ RW SM00148

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106141-050

Sample Location: KAFB-106141

Port Depth: 050

Date: 4/8/2020

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 60 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~60°

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	1.82	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	28	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1007	0.22	19.95	0	28

Sample ID: SV141-050-202

Duplicate Sample ID: NA

Canister Number(s): 15C00167

Regulator Number(s): NA

SUMMA Initial Pressure: -22.0"Hg

SUMMA Final Pressure: -2.0"Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106141-170

Sample Location: KAFB-106141

Port Depth: 170

Date: 4/8/2020

Screened Interval:
Top: 160 (ft. b.g.s)
Bottom: 170 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	2.158	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	33	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 / 1012	0.16	20.21	0	33

Sample ID: SV141-170-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00954

Regulator Number(s): AVG04708

SUMMA Initial Pressure: -23.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106141-250

Sample Location: KAFB-106141

Port Depth: 250

Date: 4/8/2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.6

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 / 1016	0.14	20.39	0	37

Sample ID: SV141-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00276

Regulator Number(s): NA

SUMMA Initial Pressure: -21.0"Hg

SUMMA Final Pressure: -0.0"Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106141-350

Sample Location: KAFB-106141

Port Depth: 350

Date: 4/8/2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.7

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -1.7

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 / 1020	0.16	20.54	0	41

Sample ID: SV141-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00109

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0" Hg

SUMMA Final Pressure: -5.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106141-450

Sample Location: KAFB-106141

Port Depth: 450

Date: 4/8/2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~60°F

Pump ID: 1 Horiba ID: 1 Sample System ID: off Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.7

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5 min 56	(Seconds)

Post Purge Static Pressure (inWC) -1.8

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 / 1033	0.20	19.98	0	5 min 56

Sample ID: SV141-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00991

Regulator Number(s): AVG-0 5063

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -4.5" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106142-030

Sample Location: KAFB-106142

Port Depth: 030

Date: 4/8/2020

Screened Interval:
Top: 20 (ft. b.g.s)
Bottom: 30 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~75°

Pump ID: 1 Horiba ID: 1 Sample System ID: BFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	1.728	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	26	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1341	0.30	20.42	0	26

Sample ID: SV142-030-202

Duplicate Sample ID: NA

Canister Number(s): 1SS0082

Regulator Number(s): NA

SUMMA Initial Pressure: -23.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106142-050

Sample Location: KAFB-106142

Port Depth: 050

Date: 4/8/2020

Screened Interval:
Top: 40 (ft. b.g.s)
Bottom: 50 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~75°F

Pump ID: 1 Horiba ID: 1 Sample System ID: Off Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) ~~-0.9~~ SN +0.1

A. Pre-calculated purge volume (cu. ft)	1.789	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) ~~-1.0~~ SN 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 / 1344	0.32 ~~0.12~~ SN	20.55 ~~20.52~~ SN	0 ~~0~~ SN	27

Sample ID: SV142-050-202

Duplicate Sample ID: NA

Canister Number(s): ~~1SC00~~ SN ~~1SC01002~~ SN 1SC01381

Regulator Number(s): ~~AV6044996~~ SN NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106142-170

Sample Location: KAFB-106142

Port Depth: 170

Date: 4/8/2020

Screened Interval:
Top: 160 (ft. b.g.s)
Bottom: 170 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature:

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°F

Pump ID: 1 Horiba ID: 1 Sample System ID: off Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.9

A. Pre-calculated purge volume (cu. ft)	2.158	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	33	(Seconds)

Post Purge Static Pressure (inWC) -0.9

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1354	0.14	20.67	0	33

Sample ID: SV142-170-202

Duplicate Sample ID: SV142-170-602

Canister Number(s): Primary: 1SC00782 Dup: 1SC00193

Regulator Number(s): Primary: AG05090 Dup: NA

SUMMA Initial Pressure: P: -25.0" Hg D: -24.0" Hg

SUMMA Final Pressure: P: -2.0" Hg D: 0.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106142-250

Sample Location: KAFB-106142

Port Depth: 250

Date: 4/8/2020

Screened Interval:
Top: 240 (ft. b.g.s)
Bottom: 250 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°F

Pump ID: 1 Horiba ID: 1 Sample System ID: GFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.8

A. Pre-calculated purge volume (cu. ft)	2.403	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	37	(Seconds)

Post Purge Static Pressure (inWC) -0.9

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1357	0.14	20.63	0	37

Sample ID: SV142-250-202

Duplicate Sample ID: NA

Canister Number(s): 15C01171

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0" Hg

SUMMA Final Pressure: -2.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106142-350

Sample Location: KAFB-106142

Port Depth: 350

Date: 4/8/2020

Screened Interval:
Top: 340 (ft. b.g.s)
Bottom: 350 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, ~75°F

Pump ID: 1 Horiba ID: 1 Sample System ID: OFF Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.0

A. Pre-calculated purge volume (cu. ft)	2.71	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	41	(Seconds)

Post Purge Static Pressure (inWC) -1.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1400	0.16	20.78	0	41

Sample ID: SV142-350-202

Duplicate Sample ID: NA

Canister Number(s): 15C00894

Regulator Number(s): AVG04788

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: KAFB-106142-450

Sample Location: KAFB-106142

Port Depth: 450

Date: 4/8/2020

Screened Interval:
Top: 440 (ft. b.g.s)
Bottom: 450 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~75°F

Pump ID: 1 Horiba ID: 1 Sample System ID: off F Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.0

A. Pre-calculated purge volume (cu. ft)	23.725	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5min 56	(Seconds)

Post Purge Static Pressure (inWC) -0.9

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/8/2020 1409	0.20	20.10	0	5min 56

Sample ID: SV142-450-202

Duplicate Sample ID: NA

Canister Number(s): 155 ØØØ64

Regulator Number(s): AU604747

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: SVEW-06-060

Sample Location: SVEW-06/07

Port Depth: 060

Date: 4/7/2020

Screened Interval:
Top: 45 (ft. b.g.s)
Bottom: 60 (ft. b.g.s)

Sample Team: RW + SN Team 1

Sample Team Signature:

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, windy ~55°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	3.763	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	57	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1052	11.46	8.25	4840	57

Sample ID: SVE06-060-202

Duplicate Sample ID: SVE06-060-602

Canister Number(s): ~~Primary:~~ Dup: SN 1SC ØØ531 ~~Dup:~~ Primary SN 1SSØØ967

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: ~~-24"Hg~~ -24.0"Hg SN D: -24.0"Hg

SUMMA Final Pressure: P: -2.0"Hg D: -1.5"Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVEW-07-160

Sample Location: SVEW-06/07

Port Depth: 160

Date: 04/07/2020

Screened Interval:
Top: 145 (ft. b.g.s)
Bottom: 160 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, Windy, ~55°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.9" ~~Hg~~ RW

A. Pre-calculated purge volume (cu. ft)	5.945	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	1 min 30	(Seconds)

Post Purge Static Pressure (inWC) -2.0" ~~Hg~~ RW

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1058	4.22	13.90	24050	1min 30sec

Sample ID: SVE07-160-202

Duplicate Sample ID: NA

Canister Number(s): 155Ø1Ø8

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0" Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: SVEW-08-260

Sample Location: SVEW-08/09

Port Depth: 260

Date: 4/7/2020

Screened Interval:
Top: 245 (ft. b.g.s)
Bottom: 260 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, Windy, ~55°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) ~~-2.0~~ SN -1.7" Hg RW

A. Pre-calculated purge volume (cu. ft)	8.126	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	2min 2	(Seconds)

Post Purge Static Pressure (inWC) -1.7" Hg RW

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1110	2.22	17.90	46	2min 2secs

Sample ID: SVE08-260-202

Duplicate Sample ID: NA

Canister Number(s): 1SC ϕ1139

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0"Hg

SUMMA Final Pressure: -2.0"Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVEW-09-460

Sample Location: SVEW-08/09

Port Depth: 460

Date: 4/7/2020

Screened Interval:
Top: 443 (ft. b.g.s)
Bottom: 457 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Sunny, Windy, ~55°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.7" ~~Hg~~ RW

A. Pre-calculated purge volume (cu. ft)	12.261	(Ft^3)
B. Flow rate on flowmeter for air pump	4.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	3min 4	(Seconds)

Post Purge Static Pressure (inWC) -1.7" ~~Hg~~ RW

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1118	2.20	16.99	40	3mins 4

Sample ID: SVE09-460-202

Duplicate Sample ID: NA

Canister Number(s): 1SCØØ919

Regulator Number(s): NA

SUMMA Initial Pressure: -23.5" Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: N Petersen

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVEW-10-410

Sample Location: SVEW-10/SVMW-12

Port Depth: 410

Date: 4-21-2020

Screened Interval:
Top: 400 (ft. b.g.s)
Bottom: 410 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	10.581	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~2~~ NP ~~2 min~~ NP 5min 18	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1516	0.20	20.20	0	5min 18

Sample ID: SVE10-410-202

Duplicate Sample ID: SVE10-410-602

Canister Number(s): Primary: 1SC01237 Dup: 1SC00547

Regulator Number(s): Primary: AVG05107 Dup: NA

SUMMA Initial Pressure: P:-24.0 "Hg D:-26.5"Hg SUMMA Final Pressure: P:-4.5"Hg D:-2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVEW-11-410

Sample Location: SVEW-11/SVMW-13

Port Depth: 410

Date: 4-21-2020

Screened Interval:
Top: 400 (ft. b.g.s)
Bottom: 410 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: ——

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	10.581	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ NP 2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	~~2 min 39~~ NP 5 min 18	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 0820	1.22	17.40	222	5 min 18 sec

Sample ID: SVE11-410-202

Duplicate Sample ID: SVE11-410-602

Canister Number(s): Primary: 15500207 Dup: 15500793

Regulator Number(s): Primary: NA Dup: AVG05043

SUMMA Initial Pressure: P:-25.0"Hg D:-26.0"Hg SUMMA Final Pressure: P:-4.0"Hg D:-4.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: SVEW-12-410

Sample Location: SVEW-12/SVMW-14

Port Depth: 410

Date: 4-15-2020

Screened Interval:
Top: 400 (ft. b.g.s)
Bottom: 410 (ft. b.g.s)

Sample Team: CL & NP

Sample Team Signature: Nicole [illegible]

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~44°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	10.581	(Ft^3)
B. Flow rate on flowmeter for air pump	3.8	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	2min 48	(Seconds)

Post Purge Static Pressure (inWC) -1.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 1023	0.68	19.95	3	3 minutes

Sample ID: SVE12-410-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00273

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments: Flow meter was not reading consistently, so we overpurged

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVEW-13-410

Sample Location: SVEW-13/SVMW-15

Port Depth: 410

Date: 4-21-2020

Screened Interval:
Top: 400 (ft. b.g.s)
Bottom: 410 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	10.581	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	5 min 18	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1359	1.92	13.92	1170	5min 18

Sample ID: SVE13-410-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00246

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-01-050

Sample Location: SVMW-01

Port Depth: 050

Date: 4/21/20

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 52.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: LSD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.481	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 / 0934	10.66	1.88	1	15

Sample ID: SV01-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00723

Regulator Number(s): NA

SUMMA Initial Pressure: -28.0 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-01-100

Sample Location: SVMW-01

Port Depth: 100

Date: 4/21/20

Screened Interval:
Top: 100 (ft. b.g.s)
Bottom: 102.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.549	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 / 0937	0.19	0.19	13010	17

Sample ID: SV01-100-202

Duplicate Sample ID: NA

Canister Number(s): 15C00588

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-01-250

Sample Location: SVMW-01

Port Depth: 250

Date: 4/21/20

Screened Interval:
Top: 250.7 (ft. b.g.s)
Bottom: 253.2 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) ~0.7

A. Pre-calculated purge volume (cu. ft)	0.754	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -0.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 ~~0948~~ 0942 RW	5.44	7.91	7100	28

Sample ID: SV01-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00926

Regulator Number(s): AVG04735

SUMMA Initial Pressure: -26.5 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments: 5 second over purge

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-01-300

Sample Location: SVMW-01

Port Depth: 300

Date: 4/21/20

Screened Interval:
Top: 308.5 (ft. b.g.s)
Bottom: 310 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW ~~LB~~ RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 150 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.8

A. Pre-calculated purge volume (cu. ft)	0.668	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	21	(Seconds)

Post Purge Static Pressure (inWC) -0.7

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 0946	0.38	18.34	179	21

Sample ID: SV01-300-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00975

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-02-050

Sample Location: SVMW-02

Port Depth: 050

Date: 4/21/20

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 52.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 55°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	0.481	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 0758	15.56	0.98	~~1.13~~ 1131 RW	15

Sample ID: SV02-050-202

Duplicate Sample ID: NA

Canister Number(s): 15500911

Regulator Number(s): NA

SUMMA Initial Pressure: -26.5 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-02-100

Sample Location: SVMW-02

Port Depth: 100

Date: 4/21/20

Screened Interval:
Top: 97 (ft. b.g.s)
Bottom: 99.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: (Yes) - (No) RW

If yes, describe: Rusted Quick connect

Weather observations: Clear 55°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	0.545	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) -0.2

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 / 0803	3.42	16.27	25460	17

Sample ID: SV02-100-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00787

Regulator Number(s): AV604242

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-02-150

Sample Location: SVMW-02

Port Depth: 150

Date: 4/21/20

Screened Interval:
Top: 150 (ft. b.g.s)
Bottom: 152.5 (ft. b.g.s)

Sample Team: Team 2

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Clear 55°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	0.617	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	19	(Seconds)

Post Purge Static Pressure (inWC) -0.7

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 / 0813	1.00	19.70	15780	19

Sample ID: SV02-150-202

Duplicate Sample ID: SV02-150-602

Canister Number(s): Primary: 1 SS00915 Dup: 1SC00978

Regulator Number(s): Primary: NA Dup: AVG0436 #

SUMMA Initial Pressure: P: -25.5 "Hg D: -26.0 "Hg

SUMMA Final Pressure: P: -3.5 "Hg D: -2.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-03-050

Sample Location: SVMW-03

Port Depth: 050

Date: 4/7/2020

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 52.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	0.481	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/20 1458	14.82	2.4	11	15

Sample ID: SV03-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC0143

Regulator Number(s): NA

SUMMA Initial Pressure: ~~2~~ SW -23.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-03-100

Sample Location: SVMW-03

Port Depth: 100

Date: 4/7/2020

Screened Interval:
Top: 100 (ft. b.g.s)
Bottom: 102.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.549	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1501	7.84	8.34	8520	17

Sample ID: SV03-100-202

Duplicate Sample ID: NA

Canister Number(s): 1SC 00899

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0" Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-03-250

Sample Location: SVMW-03

Port Depth: 250

Date: 4/7/2020

Screened Interval:
Top: 250 (ft. b.g.s)
Bottom: 252.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, 80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	0.753	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1505	0.84	18.04	13150	23

Sample ID: SV03-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC 00616

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0"Hg

SUMMA Final Pressure: -1.5"Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-03-300

Sample Location: SVMW-03

Port Depth: 300

Date: 4/7/2020

Screened Interval:
Top: 300 (ft. b.g.s)
Bottom: 302.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: 5A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.9

A. Pre-calculated purge volume (cu. ft)	0.821	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	25	(Seconds)

Post Purge Static Pressure (inWC) -0.9

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1509	4.56	14.51	11070	26

Sample ID: SV03-300-202

Duplicate Sample ID: NA

Canister Number(s): 1SS01027

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-04-050

Sample Location: SVMW-04

Port Depth: 050

Date: 4/7/2020

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 52.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	0.481	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1423	10.28	9.41	5120	15

Sample ID: SV04-050-202

Duplicate Sample ID: SV04-050-602

Canister Number(s): Primary: 15500982 Dup: 15500919

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: -24" Hg D: -25.0" Hg

SUMMA Final Pressure: P: -3.0" Hg D: -3.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-04-100

Sample Location: SVMW-04

Port Depth: 100

Date: 4/7/2020

Screened Interval:
Top: 98 (ft. b.g.s)
Bottom: 100.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.2

A. Pre-calculated purge volume (cu. ft)	0.546	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) 0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1427	3.18	16.03	21580	17

Sample ID: SV04-100-202

Duplicate Sample ID: NA

Canister Number(s): ~~NA~~ SN 1SC00684

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-04-250

Sample Location: SVMW-04

Port Depth: 250

Date: 4/7/2020

Screened Interval:
Top: 250 (ft. b.g.s)
Bottom: 252.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.0

A. Pre-calculated purge volume (cu. ft)	0.753	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -1.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1432	2.34	17.75	16110	23

Sample ID: SV04-250-202

Duplicate Sample ID: NA

Canister Number(s): ISS 00713

Regulator Number(s): AV6 04448

SUMMA Initial Pressure: ~~-26.0 "Hg~~ SN -23.5 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-04-300

Sample Location: SVMW-04

Port Depth: 300

Date: 4/7/20

Screened Interval:
Top: 297.5 (ft. b.g.s)
Bottom: 300 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~80°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.1

A. Pre-calculated purge volume (cu. ft)	0.818	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	25	(Seconds)

Post Purge Static Pressure (inWC) -1.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1436	1.44	19.52	1533	25

Sample ID: SV04-300-202

Duplicate Sample ID: NA

Canister Number(s): 1SC01186

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0" Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility Project: Kirtland AFB BFF ST-106/SS-111

SVMP ID: SVMW-05-050 Sample Location: SVMW-05

Port Depth: 050 Date: 4/21/20

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 52.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No) If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: ISD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.481	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 0846	4.96	10.76	1	15

Sample ID: SV05-050-202 Duplicate Sample ID: SV05-050-602

Canister Number(s): Primary: 15C00581 Dup: 15S01047

Regulator Number(s): Primary: ~~15S01047~~ NA RW Dup: NA

SUMMA Initial Pressure: P: -26.0 "Hg D: -25.0 "Hg SUMMA Final Pressure: P: -1.0 "Hg D: -2.0 "Hg

Comments:

Reviewed by: N Peterson Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-05-100

Sample Location: SVMW-05

Port Depth: 100

Date: 4/21/20

Screened Interval:
Top: 100 (ft. b.g.s)
Bottom: 102.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RV SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.549	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 0851	7.54	08.43	5	17

Sample ID: SV05-100-202

Duplicate Sample ID: NA

Canister Number(s): 15S00836

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-05-230

Sample Location: SVMW-05

Port Depth: 230

Date: 4/21/20

Screened Interval:
Top: 229.5 (ft. b.g.s)
Bottom: 231 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: ~~1SN~~ 2 RW Sample System ID: 1SD Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) ~0.6

A. Pre-calculated purge volume (cu. ft)	0.56	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 / 0855	2.88	8.78	5800	17

Sample ID: SV05-230-202

Duplicate Sample ID: NA

Canister Number(s): 15C00185

Regulator Number(s): AV604535

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-05-290

Sample Location: SVMW-05

Port Depth: 290

Date: 4/21/20

Screened Interval:
Top: 287.5 (ft. b.g.s)
Bottom: 290 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	0.804	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	25	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 0900	0.48	18.74	14	25

Sample ID: SV05-290-202

Duplicate Sample ID: NA

Canister Number(s): 15500755

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -3.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-06-050

Sample Location: SVMW-06

Port Depth: 050

Date: 4/21/20

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 52.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 150 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.1

A. Pre-calculated purge volume (cu. ft)	0.481	(Ft^3)
B. Flow rate on flowmeter for air pump	2	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1011	1.02	17.54	0	15

Sample ID: SV06-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00456

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -0.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-06-100

Sample Location: SVMW-06

Port Depth: 100

Date: 4/21/20

Screened Interval:
Top: 99.5 (ft. b.g.s)
Bottom: 102 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	0.548	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) -0.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1015	1.54	17.53	0	17

Sample ID: SV06-100-202

Duplicate Sample ID: SV06-100-602

Canister Number(s): Primary: 1SC01190 Dup: 1SS00050

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P: -25.0 "Hg D: -25.5 "Hg

SUMMA Final Pressure: P: -2.0 "Hg D: -2.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-06-252

Sample Location: SVMW-06

Port Depth: 252

Date: 4/21/20

Screened Interval:
Top: 252 (ft. b.g.s)
Bottom: 254.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	0.756	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -0.8

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 ~~1020~~ RW 1025	1.80	15.65	353	23

Sample ID: SV06-252-202

Duplicate Sample ID: NA

Canister Number(s): 15500837

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -4.0 "Hg

Comments: Static pressure took 5 minutes to drop to -0.8.

Reviewed by: N Peterson

Review Date: 4-22-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-06-302

Sample Location: SVMW-06

Port Depth: 302

Date: 4/21/20

Screened Interval:
Top: 302.5 (ft. b.g.s)
Bottom: 305 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Clear 60°F

Pump ID: 1 Horiba ID: 2 Sample System ID: 15D Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	0.825	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	25	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/21/20 1029	1.34	16.79	4	25

Sample ID: SV06-302-202

Duplicate Sample ID: NA

Canister Number(s): 15S00843

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: N Petersen

Review Date: 4-23-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-07-050

Sample Location: SVMW-07

Port Depth: 050

Date: 4/15/2020

Screened Interval:
Top: 49.5 (ft. b.g.s)
Bottom: 52 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: RW LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe: Quick Connect Rusted

Weather observations: 32° Sunny

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	0.48	(Ft^3)
B. Flow rate on flowmeter for air pump	~~4.0~~ 2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 0810	1.68	16.13	3660	17

Sample ID: SV07-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00016

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -5.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-07-100

Sample Location: SVMW-07

Port Depth: 100

Date: 4/15/2020

Screened Interval:
Top: 95.5 (ft. b.g.s)
Bottom: 98 (ft. b.g.s)

Sample Team: ~~LB~~ RW Team 1

Sample Team Signature: LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 32° Sunny

Pump ID: 1 Horiba ID: 2 Sample System ID: S1A Manometer ID: 2

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) LB ~~-2.3~~ LB ~~2.2~~ -0.2

A. Pre-calculated purge volume (cu. ft)	0.543	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) -0.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 0812	3.86	15.03	1004	17

Sample ID: SV07-100-202

Duplicate Sample ID: NA

Canister Number(s): 15C01196

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-07-150

Sample Location: SVMW-07

Port Depth: 150

Date: 4/15/2020

Screened Interval:
Top: 147.5 (ft. b.g.s)
Bottom: 150 (ft. b.g.s)

Sample Team: Team 7

Sample Team Signature: LB

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No

If yes, describe:

Weather observations: 32° Sunny

Pump ID: 2 Horiba ID: 2 Sample System ID: S1A Manometer ID: 2

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -0.2

A. Pre-calculated purge volume (cu. ft)	0.614	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	19	(Seconds)

Post Purge Static Pressure (inWC) -0.2

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/15/2020 0814	3.10	16.35	0	19

Sample ID: SV07-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C00005

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: 0.0 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-15-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-08-050

Sample Location: SVMW-08

Port Depth: 050

Date: 4/7/2020

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 52.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: (Yes) - No

If yes, describe: bailed out water

Weather observations: Sunny, ~70 °F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	0.481	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1313	0.90	19.25	6430	15

Sample ID: SV08-050-202

Duplicate Sample ID: NA

Canister Number(s): 1SC0057

Regulator Number(s): AVG02856

SUMMA Initial Pressure: -25.0" Hg

SUMMA Final Pressure: -3.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-08-100

Sample Location: SVMW-08

Port Depth: 100

Date: 4-7-2020

Screened Interval:
Top: 100 (ft. b.g.s)
Bottom: 102.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: (Yes) - ~~No~~ SN

If yes, describe: Rusted quick connect

Weather observations: Sunny, ~70°F

Pump ID: 1 Horiba ID: 1 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	0.549	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1318	15.50	3.44	291	18

Sample ID: SV08-100-202

Duplicate Sample ID: NA

Canister Number(s): 155ØØØ41

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0"Hg

SUMMA Final Pressure: -2.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-08-250

Sample Location: SVMW-08

Port Depth: 250

Date: 4/7/2020

Screened Interval:
Top: 250 (ft. b.g.s)
Bottom: 252.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~70°F

Pump ID: 1 Horiba ID: 1 Sample System ID: SIA Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.1

A. Pre-calculated purge volume (cu. ft)	0.753	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) 0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
~~1321~~ SN 4/7/2020 1321	3.64	16.33	12450	23

Sample ID: SV08-250-202

Duplicate Sample ID: NA

Canister Number(s): ISC 00746

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0" Hg

SUMMA Final Pressure: -1.5" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-09-050

Sample Location: SVMW-09

Port Depth: 050

Date: 4/7/2020

Screened Interval:
Top: 50 (ft. b.g.s)
Bottom: 52.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, 68°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.2

A. Pre-calculated purge volume (cu. ft)	0.481	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	15	(Seconds)

Post Purge Static Pressure (inWC) 0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1238	13.82	4.14	2130	15

Sample ID: SV09-050-202

Duplicate Sample ID: NA

Canister Number(s): 15C01028

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0"Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-09-100

Sample Location: SVMW-09

Port Depth: 100

Date: 4/7/2020

Screened Interval:
Top: 100 (ft. b.g.s)
Bottom: 102.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~68°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.549	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	17	(Seconds)

Post Purge Static Pressure (inWC) -0.1

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1240	2.64	18.34	14190	17

Sample ID: SV09-100-202

Duplicate Sample ID: NA

Canister Number(s): ISC 00 732

Regulator Number(s): AVG0 ####

SUMMA Initial Pressure: -25.0" Hg

SUMMA Final Pressure: -1.0" Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Soil Vapor Purge and Sampling Log

Year: 2020
Quarter: 2

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-09-250

Sample Location: SVMW-09

Port Depth: 250

Date: 4/7/2020

Screened Interval:
Top: 250 (ft. b.g.s)
Bottom: 252.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SN

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - No SN

If yes, describe: Can't read SVMP cap

Weather observations: Sunny, ~68°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: Yes - No

Initial Static Pressure (inWC) -1.4

A. Pre-calculated purge volume (cu. ft)	0.753	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1245	0.02	20.51	6300	23

Sample ID: SV09-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00646

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -1.5 "Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-09-266

Sample Location: SVMW-09

Port Depth: 266

Date: 4/7/2020

Screened Interval:
Top: 266 (ft. b.g.s)
Bottom: 268.5 (ft. b.g.s)

Sample Team: Team 1

Sample Team Signature: SW

PID in Wellhead: ~~0.0~~ RW 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: Sunny, ~68°F

Pump ID: 1 Horiba ID: 1 Sample System ID: S1A Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.5

A. Pre-calculated purge volume (cu. ft)	0.775	(Ft^3)
B. Flow rate on flowmeter for air pump	20	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	24	(Seconds)

Post Purge Static Pressure (inWC) -1.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4/7/2020 1250	1.20	18.53	17970	24

Sample ID: SV09-266-202

Duplicate Sample ID: NA

Canister Number(s): 15C01253

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5" Hg

SUMMA Final Pressure: -3.0 " Hg

Comments:

Reviewed by: N Peterson

Review Date: 4-8-2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-12-150

Sample Location: SVEW-10/SVMW-12

Port Depth: 150

Date: 4-21-2020

Screened Interval:
Top: 150 (ft. b.g.s)
Bottom: 152.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Potter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~65°F, Sunny.

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.617	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	19	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 1100	0.18	18.62	0	19

Sample ID: SV12-150-202

Duplicate Sample ID: NA

Canister Number(s): 15500695

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0" Hg

SUMMA Final Pressure: -4.0" Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-12-250

Sample Location: SVEW-10/SVMW-12

Port Depth: 250

Date: 4-21-2020

Screened Interval:
Top: 250 (ft. b.g.s)
Bottom: 252.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	0.753	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1103	0.24	19.54	1	23

Sample ID: SV12-250-202

Duplicate Sample ID: NA

Canister Number(s): 15500124

Regulator Number(s): ~~NA~~ NP AVG01048

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-12-350

Sample Location: SVEW-10/SVMW-12

Port Depth: 350

Date: 4-21-2020

Screened Interval:
Top: 350 (ft. b.g.s)
Bottom: 352.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	0.89	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 1106	0.70	19.76	0	27

Sample ID: SV12-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00940

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -3.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-12-450

Sample Location: SVEW-10/SVMW-12

Port Depth: 450

Date: 4-21-2020

Screened Interval:
Top: 450 (ft. b.g.s)
Bottom: 452.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: ~65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -0.5

A. Pre-calculated purge volume (cu. ft)	1.026	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	31	(Seconds)

Post Purge Static Pressure (inWC) -0.5

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1109	0.20	19.98	0	31

Sample ID: SV12-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SL00220

Regulator Number(s): NA

SUMMA Initial Pressure: -26.5 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-13-150

Sample Location: SVEW-11/SVMW-13

Port Depth: 150

Date: 4-21-2020

Screened Interval:
Top: 150 (ft. b.g.s)
Bottom: 152.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Patton

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) No

Initial Static Pressure (inWC) -1.2

A. Pre-calculated purge volume (cu. ft)	0.617	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	19	(Seconds)

Post Purge Static Pressure (inWC) -1.2

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 0755	6.16	9.08	975	28

Sample ID: SV13-150-202

Duplicate Sample ID: NA

Canister Number(s): 15500691

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments: A few issues in stabilizing the flow rate for the purge so purged an extra 9 seconds

Reviewed by: Amanda Smith

Review Date: 6/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-13-250

Sample Location: SVEW-11/SVMW-13

Port Depth: 250

Date: 4-21-2020

Screened Interval:
Top: 250 (ft. b.g.s)
Bottom: 252.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.7

A. Pre-calculated purge volume (cu. ft)	0.753	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -0.7

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 0801	0.58	19.54	4	23

Sample ID: SV13-250-202

Duplicate Sample ID: NA

Canister Number(s): 15C00495

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-13-350

Sample Location: SVEW-11/SVMW-13

Port Depth: 350

Date: 4-21-2020

Screened Interval:
Top: 350 (ft. b.g.s)
Bottom: 352.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -0.6

A. Pre-calculated purge volume (cu. ft)	0.89	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 0804	0.70	19.14	4	27

Sample ID: SV13-350-202

Duplicate Sample ID: NA

Canister Number(s): 15500885

Regulator Number(s): NA

SUMMA Initial Pressure: -25.5 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-13-450

Sample Location: SVEW-11/SVMW-13

Port Depth: 450

Date: 4-21-2020

Screened Interval:
Top: 450 (ft. b.g.s)
Bottom: 452.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 55°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) ~~7.6~~ NP -0.5

A. Pre-calculated purge volume (cu. ft)	1.026	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	31	(Seconds)

Post Purge Static Pressure (inWC) -0.6

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 0812	0.90	17.43	5	31

Sample ID: SV13-450-202

Duplicate Sample ID: NA

Canister Number(s): 15500169

Regulator Number(s): NA

SUMMA Initial Pressure: -26.0 "Hg

SUMMA Final Pressure: -3.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-14-150

Sample Location: SVEW-12/SVMW-14

Port Depth: 150

Date: 4-15-2020

Screened Interval:
Top: 150 (ft. b.g.s)
Bottom: 152.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 40°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.4

A. Pre-calculated purge volume (cu. ft)	0.617	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	19	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0942	0.24	19.02	2	19

Sample ID: SV14-150-202

Duplicate Sample ID: NA

Canister Number(s): 1SL00332

Regulator Number(s): NA

SUMMA Initial Pressure: -25.0 "Hg

SUMMA Final Pressure: -2.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/16/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-14-250

Sample Location: SVEW-12/SVMW-14

Port Depth: 250

Date: 4-15-2020

Screened Interval:
Top: 250 (ft. b.g.s)
Bottom: 252.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Patterson

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 40°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	0.753	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) -1.4

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0945	0.22	19.15	1	23

Sample ID: SV14-250-202

Duplicate Sample ID: NA

Canister Number(s): 15500848

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0"Hg

SUMMA Final Pressure: -0.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-14-350

Sample Location: SVEW-12/SVMW-14

Port Depth: 350

Date: 4-15-2020

Screened Interval:
Top: 350 (ft. b.g.s)
Bottom: 352.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Baker

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 40° F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) ~~-1.5~~ NP -1.2

A. Pre-calculated purge volume (cu. ft)	0.89	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) ~~-1.5~~ NP -1.3

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 / 0948	0.20 ~~0.18~~ NP	19.47 ~~19.54~~ NP	1 ~~2~~ NP	27 ~~27~~ NP

Sample ID: SV14-350-202

Duplicate Sample ID: NA

Canister Number(s): ~~1SC01034~~ NP 1SC00601

Regulator Number(s): ~~AVG02640~~ NP NA

SUMMA Initial Pressure: ~~-28.0 "Hg~~ NP -22.0 "Hg

SUMMA Final Pressure: -2.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-14-450

Sample Location: SVEW-12/SVMW-14

Port Depth: 450

Date: 4-15-2020

Screened Interval:
Top: 450 (ft. b.g.s)
Bottom: 452.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Pate

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 40°F, clear

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) -1.3

A. Pre-calculated purge volume (cu. ft)	1.026	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	31	(Seconds)

Post Purge Static Pressure (inWC) -1.3

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-15-2020 0959	1.40	19.29	2	31

Sample ID: SV14-450-202

Duplicate Sample ID: SV14-450-602

Canister Number(s): Primary: 1SC00388 Dup: 1SC00191

Regulator Number(s): Primary: NA Dup: NA

SUMMA Initial Pressure: P:-23.5"Hg D:-26.5"Hg SUMMA Final Pressure: P:-2.0"Hg D:-1.5"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-15-150

Sample Location: SVEW-13/SVMW-15

Port Depth: 150

Date: 4-21-2020

Screened Interval:
Top: 150 (ft. b.g.s)
Bottom: 152.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.617	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	19	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 1341	0.50	19.14	2	25

Sample ID: SV15-150-202

Duplicate Sample ID: NA

Canister Number(s): 15C01260

Regulator Number(s): NA

SUMMA Initial Pressure: -27.0 "Hg

SUMMA Final Pressure: -3.5 "Hg

Comments: Flow valve was sticking, overpurged by 6 seconds

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-15-250

Sample Location: SVEW-13/SVMW-15

Port Depth: 250

Date: 4-21-2020

Screened Interval:
Top: 250 (ft. b.g.s)
Bottom: 252.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peter

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.753	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	23	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1343	0.60	18.95	3	23

Sample ID: SV15-250-202

Duplicate Sample ID: NA

Canister Number(s): 1SS00967

Regulator Number(s): NA

SUMMA Initial Pressure: -24.5 "Hg

SUMMA Final Pressure: -4.5 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2026

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-15-350

Sample Location: SVEW-13/SVMW-15

Port Depth: 350

Date: 4-21-2020

Screened Interval:
Top: 350 (ft. b.g.s)
Bottom: 352.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe: —

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.0

A. Pre-calculated purge volume (cu. ft)	0.89	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	27	(Seconds)

Post Purge Static Pressure (inWC) 0.0

Sample Date Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 1347	0.92	16.37	31	27

Sample ID: SV15-350-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00697

Regulator Number(s): AVG04###

SUMMA Initial Pressure: -24.0"Hg

SUMMA Final Pressure: -1.0"Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Year: 2020
Quarter: 2

Soil Vapor Purge and Sampling Log

Project Name: Bulk Fuels Facility

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

SVMP ID: SVMW-15-450

Sample Location: SVEW-13/SVMW-15

Port Depth: 450

Date: 4-21-2020

Screened Interval:
Top: 450 (ft. b.g.s)
Bottom: 452.5 (ft. b.g.s)

Sample Team: NP & CL

Sample Team Signature: Nicole Peters

PID in Wellhead: 0.0

Is Well damaged/Flooded: Yes - (No)

If yes, describe:

Weather observations: 65°F, sunny

Pump ID: 1 Horiba ID: 1 Sample System ID: 1 Manometer ID: 1

Was the sample system purged of hydrocarbons before connection with well port: (Yes) - No

Initial Static Pressure (inWC) 0.5

A. Pre-calculated purge volume (cu. ft)	1.026	(Ft^3)
B. Flow rate on flowmeter for air pump	2.0	(SCFM)
C. Purge time (Sec.) 1. Equals A/B*60 (round up)	31	(Seconds)

Post Purge Static Pressure (inWC) 0.5

Sample Date / Sample Time	CO2 %	O2%	Hydro Carbons (ppmv)	Actual Purge Time (seconds)
4-21-2020 / 1350	3.66	10.77	3050	31

Sample ID: SV15-450-202

Duplicate Sample ID: NA

Canister Number(s): 1SC00521

Regulator Number(s): NA

SUMMA Initial Pressure: -24.0 "Hg

SUMMA Final Pressure: -1.0 "Hg

Comments:

Reviewed by: Amanda Smith

Review Date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: Team #2

DATE: 04/07/2020

Team # 2

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ Bernie Beckisch	EA - Site Manager/Supervisor
Curtis Landers	Geologist 1
Nicole Peterson	Engineer 1

NP

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
1	1	1	1	

NP

NP

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

NP

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

0850	Leaving BFF trailer for KAFB-106127 cluster
0854	Arrived at KAFB-106127 cluster
1230	Leaving KAFB-106127 cluster for BFF trailer
1233	Arrived at BFF trailer
1331	Leaving BFF trailer for KAFB-106117
1333	Arrived at KAFB-106117
1426	Leaving KAFB-106117 for KAFB-106111
1430	Arrived at KAFB-106111
1521 ~~1521~~ NP	Left KAFB-106111 for BFF trailer
1524	Arrived at BFF trailer

NP

DQCR Page 1 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4-7-2020

4. WORK PERFORMED (Continued)

NP

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

Name: Nicole Peterson

Signature: Nicole Peter

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: SVM Sampler DATE: 4/7/2020

Team # 1

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ Bernie Bockisch	EA - Site Manager/Supervisor
Ryan Wortman	Sundance - Sampler
Stephen Newman	Sundance - Sampler

SN

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
1	SIA	1	1	

SN
SN

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)

SN

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

0700	Calibrate Horibas and conduct leak test
0900	Arrive at KAFB106-127; sampled all locations
	while training Sundance and EA staff.
1000	Arrive at SVEW-06/07; sampled all locations
1040	Arrive at SVEW-08/09; sampled all ports.
1130	Break for lunch
1300 ~~1215~~ SN	Arrive at SVMW-08/~~09~~ SN; sampled All ports
~~1330~~	~~Arrive at EA trailer for bump test and leak test~~ SN
1230	Arrive at SVMW-09; sampled all ports
1330	Arrive at EA trailer for bump test and leak tests
1400	Arrive at SVMW-04; sampled all ports
1445	Arrive at SVMW-03; sampled all ports

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 5/16/2020

Kirtland AFB Bulk Fuels Facility -- 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4/7/2020

4. WORK PERFORMED (Continued)	
1515	Arrive at KAFB-106116; sample all ports
1620	Arrive at EA Trailer to unload. Off-site by 1700. SN

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.

Stephen Newman
Name

Signature

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: SVM sampling team DATE: 4-8-2020

Team # 2, Curtis Landers & Nicole Peterson

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ NP	~~EA – Site Manager/Supervisor~~ NP
Curtis Landers	EA
Nicole Peterson	EA
Bernie Bocrisin	EA – Project Manager
NP	

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
1	1	1	1	
	NP			

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

NP

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

0735	Leaving BFF to gas up generator.
0744	Arrived at gas station on Gibson & Carlisle (Valero)
0748	Leaving gas station for BFF trailer
0754	Arrived at BFF trailer
0800	Leaving BFF trailer for KAFB-106133
0804	Arrived at KAFB-106133
0904	Leaving KAFB-106133 for KAFB-106128
0916	Arrived at KAFB-106128
1006	Leaving KAFB-106128 for KAFB-106114
1007	Arrived at KAFB-106114
1057	Leaving KAFB-106114 for BFF trailer
1059	Arrived at BFF field trailer

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4-8-2020

4. WORK PERFORMED (Continued)

NP

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

Name: Nicole Peterson

Signature:

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: Sampler

DATE: 4/8/2020

Team # 1

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ AS Bernie Rockisch	EA - Site Manager/Supervisor
Ryan Wortman	Sundance Sampler
Stephen Newman	Sundance Sampler

SN

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
1	OFF	1	1	

SN

SN

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)

Collected Soil Vapor Samples from KAFB-106138, 106141, 106028, 106142, & 106136

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

0700	Arrive at EA trailer; perform leak test and calibrate Horiba. Load truck with supplies.
0810	Arrive at KAFB-106138; sample all ports
0930	Arrive at KAFB-106141; sample all ports
1115	Arrive at KAFB-106028; sampled all ports
1215	Arrive at EA trailer; conduct leak test and bump test
1330	Arrive at KAFB-106141; sample all ports
1445	Arrive at KAFB-106136; sample 15ft port. Sample system to Summa connection cross threaded during sampling of 50ft port.
1520	Return to EA trailer for replacement piece, which was leak tested this morning.
1540	Arrive at KAFB-106136; finish sampling remaining ports.

DQCR Page 1 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4/8/2020

4. WORK PERFORMED (Continued)	
1625	Arrive at EA trailer for bump test and leak test; off-site by 1700.
	SN

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.

Stephen Newman
Name

Signature

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: SVM field team DATE: 4-14-2020

Team # 2

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ NP	~~EA - Site Manager/Supervisor~~ NP
Nicole Peterson	EA
Curtis Landers	EA
Bernie Bockisch	EA - Project Manager

NP

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
1	1	1	1	

NP

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

NP

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

0735	Leaving BFF trailer for ~~KAFB-132~~ NP KAFB-106132
0738	Arrived at KAFB-106132
0828	Leaving KAFB-106132 for BFF trailer
0831	Arrived at BFF trailer
0838	Leaving BFF trailer for KAFB-106135
0843	Arrived at KAFB-106135
0941	Leaving KAFB-106135 for KAFB-106137
0943	Arrived at KAFB-106137
0957	Leaving KAFB-106137 for BFF field trailer
0959	Arrived at BFF field trailer
1001	Leaving BFF field trailer for KAFB-106137
1003	Arrived at KAFB-106137

DQCR Page 1 of 2

Reviewed by: Amanda Smith Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4-14-2020

4. WORK PERFORMED (Continued)	
1040	Leaving KAFB-106137 for BFF trailer
1041	Arrived at BFF trailer
1130	Leaving ~~KAFB~~ NP BFF trailer for KAFB-106139
1133	Arrived at KAFB-106139
1226	Leaving KAFB-106139 for KAFB-106134
1233	Arrived at KAFB-106134
1315	Leaving KAFB-106134 for BFF trailer
1318	Arrived at BFF trailer
	NP

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

Nicole Peterson
Name

Nicole Peterson
Signature

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: Sampler

DATE: 4/14/2020

Team # 1

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
AS ~~Carlos Montoya~~ Bernie Bockisch	EA - Site Manager/Supervisor
Stephen Newman	~~Sampler~~ SN Sundance-Sampler
Ryan Wortman	Sundance Sampler
Luke Beasley	Sundance-Sampler
	SN

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
SUN 2	S1A	1	1	SN
				SN

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)

SN

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

0700	Arrive at EA trailer to begin leak test and calibration;
	load trucks with all equipment.
0820	Ryan left site. Luke and stephen arrive at KAFB-106120;
	sample all ports.
0905	Arrive at KAFB-106121; sample all ports.
1015	Arrive at KAFB-106122; sample all ports.
1115	Arrive at EA trailer for leak test and bump test
1210	Arrive at KAFB-106123; sample all ports.
1315	Arrive at KAFB-106140; sample all ports.
1420	Arrive at EA trailer to unload. Offsite by 1445.
	SN

DQCR Page 1 of ~~2~~ 1

AS

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4/14/20

4. WORK PERFORMED (Continued)

SW

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.

Stephen Newman
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by:

Reviewed date: 6/30/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: SVM Field Team 2 ~~4-15-2020~~ NP

DATE: 4-15-2020

Team # 2

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ NP	~~EA - Site Manager/Superviser~~ NP
Nicole Peterson	EA
Curtis Landers	EA
Bernie Bockisch	EA- Project Manager

NP

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
1	1	1	1	

NP

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

NP

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

0720	Leaving BFF field trailer for KAFB-106109
0726	Arrived at KAFB-106109
0820	Leaving KAFB-106109 for KAFB-106110
0822	Arrived at KAFB-106110
0917	Leaving KAFB-106110 for SVEW-12/SVMW-14
0920	Arrived at ~~SVMW-14~~ NP SVEW-12/SVMW-14
1006	Leaving ~~KAFB~~ NP SVEW-12/SVMW-14 for BFF trailer
1010	Arrived at BFF trailer
1012	Leaving BFF trailer for SVEW-12/SVMW-14
~~1028~~	NP
~~1030~~	~~Arrived at BFF trailer~~ NP
1015	Arrived at SVEW-12/SVMW-14

DQCR Page 1 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility -- 62735DM02
Daily Quality Control Report -- Non-Construction

DATE: 4-15-2020

4. WORK PERFORMED (Continued)	
1028	Leaving SVEW-12/SVMW-14 for BFF trailer
1030	Arrived at BFF trailer

NP

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

Nicole Peterson
Name

Nicole Peterson
Signature

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: Sampler

DATE: 4/15/2020

Team # 1

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ AS Bernie Bockisch	EA - Site Manager/Supervisor
Stephen Newman	Sundance - Sampler
Luke Beasley	Sundance - Sampler
Ryan Wortman	Sundance - Sampler

SN

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
2	SIA	1	1	

SN

SN

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)

SN

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

0700	Arrive at EA trailer to conduct horiba calibration and leak test.
0800	Arrive at SUMW-07; Sample all ports
0830	Arrive at KAFB-106115; Sample all ports
0930	Arrive at EA trailer for bump test and leak test.
1005	Arrive at KAFB-106113; Sample all ports
1055	Arrive at KAFB-106131; Sample all ports
1145	Arrive at EA Trailer for bump test and leak test; unload truck, offsite by 1230.

SN

DQCR Page 1 of 2 | AS

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility -- 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4/15/20

4. WORK PERFORMED (Continued)

SW

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.

Stephen Newman
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: [illegible]

Reviewed date: 6/30/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: SVM field team

DATE: 4-21-2020

Team # 2

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ NP	~~EA - Site Manager/Supervisor~~ NP
Nicole Peterson	EA
Curtis Landers	EA
Bernie Bockisch	EA- Project Manager

NP

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
1	1	1	1	

NP

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

NP

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

0733	Leaving BFF field trailer for SVEW-11/SVMW-13
0734	Arrived at SVEW-11/SVMW-13
0826	Leaving SVEW-11/SVMW-13 for KAFB-106118
0828	Arrived at KAFB-106118
0934	Leaving KAFB-106118 for KAFB-106108
0937	Arrived at KAFB-106108
1040	Leaving KAFB-106108 for SVEW-10/SVMW-12
1041	Arrived at SVEW-10/SVMW-12
1122	Leaving SVEW-10/SVMW-12 for BFF trailer
1124	Arrived at BFF trailer
1225	Leaving BFF trailer for KAFB-106112
1233	Arrived at KAFB-106112

DQCR Page 1 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility -- 62735DM02
Daily Quality Control Report -- Non-Construction

DATE: 4-21-2020

4. WORK PERFORMED (Continued)	
1325	Leaving KAFB-106/12 for SVEW-13/SVMW-15
1325	Arrived at SVEW-13/SVMW-15
1403	Leaving SVEW-13/SVMW-15 for BFF trailer
1404	Arrived at BFF trailer

NP

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

Nicole Peterson
Name

Nicole Peterson
Signature

DQCR Page 2 of 2

Reviewed by: Amanda Smith

Reviewed date: 5/12/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: Sampler

DATE: 4/21/2020

Team # 1

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Carlos Montoya~~ AS Bernie Bockisch	EA - Site Manager/Supervisor
Stephen Newman	Sundance - Sampler
Ryan Wortman	Sundance - Sampler

SN

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
2	SID	1	1	

SN
SN

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)

4/21/20 Sampled SVMW-02, SVMW-05, SVMW-01, SVMW-06, KAFB-106129, KAFB-106126. Total of 30 samples taken including field duplicates.

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

0700	Arrive at EA trailer to perform ~~b~~ SN horiba calibration and leak test. Load truck with all supplies.
0750	Arrive at SVMW-02. Sample all ports.
0840	Arrive at SVMW-05. Sample all ports.
0915	Arrive at SVMW-01. Sample all ports.
0954	Arrive at SVMW-06. Sample all ports.
1040	Arrive at EA trailer; perform bump test and leak test.
1115	Arrive at KAFB-106129; sample all ports
1205	Arrive at KAFB-106126; sample all ports
1305	Arrive at EA trailer to off-load equipment. Off-site by 1330.

DQCR Page 1 of ~~2~~ 1 AS

Reviewed by: Amanda Smith

Reviewed date: 5/6/2020

Kirtland AFB Bulk Fuels Facility -- 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4/21/20

4. WORK PERFORMED (Continued)	

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.

Stephen Newman
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: [illegible]

Reviewed date: 6/30/2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

ROLE: Sampler

Team # 1

DATE: 4/22/2020

1. ONSITE PERSONNEL (including subcontractors and government employees)

Name	Organization
~~Bernie~~ Carlos Montoya Bocksich	EA - Site Manager/Supervisor
Stephen Neiman	Sundance-Sampler
Luke Beasley	Sundance-Sampler

2. OPERATING EQUIPMENT

Horiba	Sample System	Manometer	Vacuum Pump	
2	15D	1	1	

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)

0800 Arrive on-site at EA trailer to perform horiba calibration and leak test.
0845 Arrive at KAFB-106119; sample all ports.
0950 Arrive at KAFB-106130; sample all ports
1040 Arrive at KAFB-106117 to check 350 ft port parameters, Pressure difference at sample time was 0.2.
~~1040 See table on next page~~ SN
[CO2: 14.36, O2: 0.73, HC: 825] [purge time: 41, initial pressure: -0.5" WC, Final pressure: -0.5] @ 4.0 SCM Note: moved to -0.6" WC at end of 5 minutes. Sample time 1054
1100 Back to trailer to pick up more camisters and unload current samples

DQCR Page 1 of 2

Reviewed by: Dylan Schueck

Reviewed date: 6-26-2020

Kirtland AFB Bulk Fuels Facility – 62735DM02
Daily Quality Control Report – Non-Construction

DATE: 4/22/2020

4. WORK PERFORMED (Continued)	
1115	Leave trailer for KAFB-106111 to
	Check Parameters
1130	Arrive at KAFB-106111 to check ports 150
	and 250. Previous samples did not have
	equalized static pressures.
	KAFB-111-150: Initial Static Pressure=
	-0.1"WC Purge time 32 seconds @ 4.0 SCM
	post Purge Pressure: -0.2. Sample time 1140
	Parameter Readings: HC=1126, O2=4.69 %vol
	CO2=8.40 %vol
1140	Sample time @ KAFB-106111-150
1147	~~Initial pressure at~~ Checking Parameters
	at 106111-250. Initial Static Pressure
	-0.1"WC. Purge time 37 seconds
	at 4.0 SCM. Post purge Pressure=-0.1"WC
1149	Sample time 1149, HC=5240, O2%=6.72
	CO2%=11.70
1155	Back to trailer for Bump and
	leak test
1225	Leak and Bump test passed
1235	OFF site
	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.

Stephen Newman
Name

Signature

DQCR Page 2 of 2

Reviewed by: Dylan Schneelle

Reviewed date: 6-26-2020

Horiba Calibration Sheet

Horiba ID #: EA 1

	Known Gas Mixture			Initial Horiba Reading			Post Cal. Horiba Readings			Flow through readings			
Date/time	C3H8(ppm)[1]	% CO2[1]	% O2*	HC(ppm)	% CO2	% O2	HC(ppm)	% CO2	% O2*	HC(ppm)	% CO2	% O2	Initials
4/7/20, 0800	1620	13.0	20.80	829	12.76	20.82	842	12.96	20.81	818	12.52	20.98	NP
4-7-20/1323	1620	13.0	20.80	—	—	—	—	—	—	830	12.74	21.23	NP
4-8-20/0720	1620	13.0	20.80	845	13.00	21.25	842	13.00	20.80	821	12.76	21.25	NP
4-8-20/1130	1620	13.0	20.80	—	—	—	—	—	—	818	12.58	20.95	NP
4-14-20/0725	1620	13.0	20.80	846	13.00	19.28	843	13.00	20.82	802	12.56	21.22	NP
4-14/1119	1620	13.0	20.80	—	—	—	—	—	—	801	12.50	21.21	NP
4-15/20/0711	1620	13.0	20.80	841	13.19	19.19	843	12.98	20.82	807	12.54	21.09	NP
4-15-20/1038	1620	13.0	20.80	—	—	—	—	—	—	809	12.62	21.33	NP
4-21/0714	1620	13.0	20.80	842	12.80	20.63	842	13.02	20.82	811	12.76	20.72	NP
4-21/1221	1620	13.0	20.80	—	—	—	—	—	—	821	12.64	21.06	NP
4-21/1410	1620	13.0	20.80	—	—	—	—	—	—	820	12.70	20.92	NP

SN 4/21/20

1 = Certified concentration of Cal. Gas

* = Atmospheric %O2 concentrations

1620 ppm = 843 ppm HC

C_3H_8

Horiba Calibration Sheet

Horiba ID #: Sun 1

	Date/time	Known Gas Mixture C3H8(ppm)[1]	Known Gas Mixture % CO2[1]	Known Gas Mixture % O2*	Initial Horiba Reading HC(ppm)	Initial Horiba Reading % CO2	Initial Horiba Reading % O2	Post Cal. Horiba Readings HC(ppm)	Post Cal. Horiba Readings % CO2	Post Cal. Horiba Readings % O2*	Flow through readings HC(ppm)	Flow through readings % CO2	Flow through readings % O2	Initials
	4/7/20/745	1620	13.0	20.80	815	13.18	20.92	809	12.98	20.81	774	12.70	21.45	RW
	4/7/20/1349	"	"	"	←	Bump	test			→	788	12.54	21.28	SN
	4/8/20/0730	"	"	"	810	12.88	20.36	810	12.98	20.80	788	12.68	21.65	SN
	4/8/20/~~1255~~ 1250	"	"	"	←	Bump	test			→	774	12.58	21.26	RW
	~~4/8/20/1258~~	"	"	"										SN
	4/8/20/	"	"	"	←	Bump	test			→	784	12.76	20.94	SN
Sun 2	4/14/20/0724	"	"	"	831	13.12	21.25	830	12.94	20.80	807	12.58	21.54	SN
Sun 2	4/14/20/1152	"	"	"	←		Bump	test		→	801	12.62	21.29	SN
Sun 2	4/15/20/0733	"	"	"	829	13.02	19.32	829	13.00	20.80	808	12.70	21.26	SN
Sun 2	4/15/20/0950	"	"	"	←		Bump	test		→	801	12.60	20.91	SN
Sun 2	4/15/20/1209	"	"	"	←		Bump	test		→	801	12.66	21.21	SN
Sun 2	4/21/20/730	"	"	"	827	12.90	21.31	828	12.98	20.79	809	12.70	21.19	RW
Sun 2	4/21/20/1107	"	"	"	←		Bump	test		→	822	12.90	21.21	SN
Sun 2	4/22/20/0820	"	"	"	832	13.10	20.48	829	13.00	20.80	816	12.76	~~0.22~~ SN 21.46	SN
Sun 2	4/22/20/1217	"	"	"	←		Bump	test		→	806	12.66	21.25	SN

SN 4/22/20

1 = Certified concentration of Cal. Gas

* = Atmospheric %O2 concentrations

Sun 1 1620 = 810 HC

Sun 2 1620 = 829 HC

Leak Test log

	Date	Initial Time	Initial Vacuum reading	Final Time	Vacuum reading after 10 min.	Initials
EA# 2	04/07/20	0703	-134.2	0714	-134.4	CRL
EA #1	04/07/20	0831	-139.4	0841	-139.1	CRL
EA #1	04/07/20	1306	-130.7	1316	-132.7	CRL
EA #1	04/08/20	0704	-138.9	0716	-138.7	CRL
EA#1	04/08/20	1102	-141.7	1114	-142.3	CRL
EA #1	04/14/20	0703	-115.7	0716	-115.0	CRL
EA #1	04/14/20	1046	-117.3	1058	-116.9	CRL
EA #1	04/15/20	0657	-118.8	0707	-118.6	CRL
EA#1	04/15/20	1030	-117.9	1041	-119.5	CRL
EA#1	04/21/20	0650	-113.1	0701	-114.0	CRL
EA#1	04/21/20	1208	-112.6	1218	-111.5	CRL
EA#1	04/21/20	~~0~~ CRL 1406	-110.9	1416	-109.9	CRL

SW 4/21/20

Leak Test log

Date	Initial Time	Initial Vacuum reading	Final Time	Vacuum reading after 10 min.	Initials	SSID
4/7/20 1025	0725	-97.0"WC	0735	-96.4 "WC	RW	ISA
4/7/20 1338	1338	-121.5"WC	1348	-119.8 "WC	SN	ISA
4/8/20	707	-140.2 "WC	0717	-138.6 "WC	RW	ISA
4/8/20	718	-140.0"WC	0728	-139.3 "WC	RW	OFF
4/8/20	1234	-126.4"WC	1244	-124.2 "WC	RW	OFF
4/8/20	1628	-134.5 "WC	1638	-128.0 "WC	SN	OFF
4/14/20	0702	-117.9"WC	~~1716~~ 0712	-116.2 "WC	RW	ISA
4/14/20	1121	-103.7"WC	1131	-101.6 "WC	LB	ISA
4/15/20	0712	-99.1"WC	0722	-100.7 "WC	SN	ISA
4/15/20	0930	-103.1 "WC	~~010~~ SN 0940	-103.9"WC	SN	ISA
4/15/20	1154	-109.3"WC	1204	-107.8	SN	ISA
4/21/20	0715	-181.6"WC	0725	-180.4	RW	ISD
		~~-183.7"WC~~	~~1047~~ SN			SN
4/21/20	1047	-183.7"WC	1057	-182.0	SN	ISD
4/22/20	0802	-182.9"WC	0812	-181.2	SN	ISD
4/22/20	1206	-166.0"WC	1216	-164.1	SN	ISD

SN 4/22/20

Calibration Log sheet

Date/Time	Instrument/Instrument ID	Known Cal. Readings	Post Calibration readings	Initials
~~4/14/2020~~ LB	~~PID~~ LB			~~LB~~ LB
~~4/14/2020~~	~~PID~~	~~100ppm~~	~~100ppm~~	~~LB~~ SN
4/7/20	PID	100 ppm	100 ppm	SN
4/8/20	PID	100 ppm	100 ppm	SN
4/14/20	PID	100 ppm	100 ppm	SN
4/15/20	PID	100 ppm	100 ppm	SN
4/21/20	PID	100 ppm	100 ppm	SN
4/22/20	PID	100 ppm	100 ppm	SN

4/22/20

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-01

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Westman

ALS Contact: Kate Kaneko 1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV114-025-202		4/8/2020	1029	1SS00135	AVG0482#	-25.5	-3.0	1L	X	None
SV114-050-202		4/8/2020	1032	1SC00262	NA	-25.5	-2.0	1L	X	None
SV114-150-202		4/8/2020	1036	1SS00742	NA	-24.0	-0.5	1L	X	None
SV114-250-202		4/8/2020	1040	1SC00299	AVG05026	-24.0	-3.0	1L	X	None
SV114-250-602		4/8/2020	1040	1SC00878	NA	-25.5	-1.5	1L	X	None
SV114-350-202		4/8/2020	1045	1SS00487	NA	-26.0	-4.5	1L	X	None
SV114-450-202		4/8/2020	1053	1SC00199	NA	-22.0	-4.5	1L	X	None
SV116-025-202		4/7/2020	1545	1SC00931	NA	-24.5	-1.0	1L	X	None
SV116-050-202		4/7/2020	1549	1SS00945	NA	-24.0	-1.0	1L	X	None
SV116-150-202		4/7/2020	1552	1SS00228	NA	-25.0	-0.5	1L	X	None

FedEX Tracking Number: 1028 3396 5115

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 1 of 3

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/9/20	Time: 1300	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-01

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Westman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV116-250-202		4/7/2020	1555	1SS00023	NA	-25.0	-1.0	1L	X	None
SV116-350-602		4/7/2020	1558	1SC00201	NA	-25.0	0.0	1L	X	None
SV116-350-202		4/7/2020	1558	1SS00874	NA	-23.0	-2.0	1L	X	None
SV116-450-202		4/7/2020	1609	1SS00925	AVG#5158	-24.0	-0.5	1L	X	None
SV128-025-202		4/8/2020	0935	1SC01099	NA	-25.0	-2.0	1L	X	None
SV128-050-202		4/8/2020	0939	1SS01024	NA	-26.0	-4.0	1L	X	None
SV128-150-202		4/8/2020	0941	1SC00411	AVG05##6	-25.0	-3.0	1L	X	None
SV128-250-202		4/8/2020	0945	1SC00875	NA	-24.0	-1.5	1L	X	None
SV128-350-202		4/8/2020	0948	1SC00473	NA	-27.0	-4.5	1L	X	None
SV128-450-202		4/8/2020	1000	1SC01216	NA	-23.5	-4.0	1L	X	None

FedEX Tracking Number: 1028 3396 5115

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 1 of 3

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/9/20	Time: 1300	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-02

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV136-025-202		4/8/2020	1458	1SC01228	NA	-25.0	0.0	1L	X	None
SV136-050-202		4/8/2020	1501	1SS00171	NA	-24.5	-3.0	1L	X	None
SV136-150-202		4/8/2020	1545	1SC00605	NA	-24.5	0.0	1L	X	None
SV136-250-202		4/8/2020	1553	1SC01295	NA	-26.0	-3.0	1L	X	None
SV136-350-202		4/8/2020	1601	1SS00795	AVG03740	-24.5	-5.0	1L	X	None
SV136-450-202		4/8/2020	1611	1SS00247	NA	-24.5	-2.0	1L	X	None
SV138-025-202		4/8/2020	0836	1SS00978	NA	-24.0	-5.0	1L	X	None
SV138-050-202		4/8/2020	0839	1SC00446	NA	-26.0	-0.5	1L	X	None
SV138-150-202		4/8/2020	0843	1SS00946	NA	-25.0	-2.0	1L	X	None
SV138-150-602		4/8/2020	0843	1SS00868	NA	-26.0	-3.0	1L	X	None
SV138-250-202		4/8/2020	0847	1SC00698	AVG04685	-26.0	-0.5	1L	X	None

FedEX Tracking Number: 1028 3396 5126

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 2 of 3

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/9/20	Time: 1300	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-02

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD, (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV138-350-202		4/8/2020	0851	1SC00857	AVG01783	-23.5	0.0	1L	X	None
SV138-450-202		4/8/2020	0901	1SC00988	NA	-25.0	-2.5	1L	X	None
SV141-025-202		4/8/2020	1003	1SC00793	SM00148	-24.0	0.0	1L	X	None
SV141-050-202		4/8/2020	1007	1SC00167	NA	-22.0	-2.0	1L	X	None
SV141-170-202		4/8/2020	1012	1SC00954	AVG04708	-23.0	-4.0	1L	X	None
SV141-250-202		4/8/2020	1016	1SC00276	NA	-21.0	0.0	1L	X	None
SV141-350-202		4/8/2020	1020	1SS00109	NA	-25.0	-5.0	1L	X	None
SV141-450-202		4/8/2020	1033	1SS00991	AVG05063	-26.0	-4.5	1L	X	None
SVE06-060-202		4/7/2020	1052	1SS00907	NA	-24.0	-2.0	1L	X	None
SVE06-060-602		4/7/2020	1052	1SC00531	NA	-24.0	-1.5	1L	X	None

FedEX Tracking Number: 1028 3396 5126

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 2 of 3

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/9/20	Time: 1300	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-03

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Facilty

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Sampler (Print & Sign): Ryan Wortman

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

ALS Contact: Kate Kaneko 1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SVE07-160-202		4/7/2020	1058	1SS00108	NA	-25.0	-2.0	1L	X	None
SVE08-260-202		4/7/2020	1110	1SC01139	NA	-24.0	-2.0	1L	X	None
SVE09-460-202		4/7/2020	1118	1SC00919	NA	-23.5	-1.0	1L	X	None
SV03-050-202		4/7/2020	1458	1SC01043	NA	-23.0	-1.0	1L	X	None
SV03-100-202		4/7/2020	1501	1SC00899	NA	-24.0	-1.0	1L	X	None
SV03-250-202		4/7/2020	1505	1SC00616	NA	-24.0	-1.5	1L	X	None
SV03-300-202		4/7/2020	1509	1SS01027	NA	-25.0	-1.0	1L	X	None
SV04-050-202		4/7/2020	1423	1SS00982	NA	-24.0	-3.0	1L	X	None
SV04-050-602		4/7/2020	1423	1SS00919	NA	-25.0	-3.0	1L	X	None
SV04-100-202		4/7/2020	1427	1SC00684	NA	-26.0	-1.0	1L	X	None

FedEX Tracking Number: 1028 3396 5181

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 3 of 3

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/9/20	Time: 1800	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-03

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko 1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV04-250-202		4/7/2020	1432	1SS00713	AVG04448	-23.5	-1.5	1L	X	None
SV04-300-202		4/7/2020	1436	1SC01186	NA	-26.0	-1.0	1L	X	None
SV08-050-202		4/7/2020	1313	1SC00507	AVG02856	-25.0	-3.0	1L	X	None
SV08-100-202		4/7/2020	1318	1SS00041	NA	-26.0	-2.0	1L	X	None
SV08-250-202		4/7/2020	1321	1SC00746	NA	-26.0	-1.5	1L	X	None
SV09-050-202		4/7/2020	1238	1SC01028	NA	-25.0	-1.0	1L	X	None
SV09-100-202		4/7/2020	1240	1SC00732	AVG0####	-25.0	-1.0	1L	X	None
SV09-250-202		4/7/2020	1245	1SC00646	NA	-25.0	-1.5	1L	X	None
SV09-266-202		4/7/2020	1250	1SC01253	NA	-25.5	-3.0	1L	X	None
SVTB-202-01		4/9/2020	0800	1SC01145	NA	-25.0	-25.0	1L	X	None

FedEX Tracking Number: 1028 3396 5181

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 3 of 3

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/9/20	Time: 1300	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-04

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Sampler (Print & Sign): Ryan Wortman

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV028-150-202		4/8/2020	1142	1SS00962	NA	-26.5	-2.0	1L	X	None
SV028-250-202		4/8/2020	1147	1SS00892	NA	-26.0	-2.0	1L	X	None
SV028-350-202		4/8/2020	1154	1SS00745	NA	-25.0	0.0	1L	X	None
SV028-450-202		4/8/2020	1157	1SC01113	AVG04878	-27.0	0.0	1L	X	None
SV111-025-202		4/7/2020	1454	1SS00774	NA	-26.0	-5.0	1L	X	None
SV111-050-602		4/7/2020	1456	1SC00780	AVG04811	-25.0	-3.0	1L	X	None
SV111-050-202		4/7/2020	1456	1SC01013	NA	-24.0	-1.5	1L	X	None
SV111-150-202		4/7/2020	1501	1SC00711	NA	-24.0	-3.5	1L	X	None
SV111-250-202		4/7/2020	1505	1SS00583	NA	-25.0	-5.0	1L	X	None
SV111-350-202		4/7/2020	1509	1SS00155	AVG05007	-25.0	-1.5	1L	X	None

FedEX Tracking Number: 1028 3396 5170

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 1 of 3

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan	4/9/20	1300			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-04

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko 1 (805) 577-2089

Analysis Method: TO-15 Project Specific List

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV111-450-202		4/7/2020	1519	1SC01172	NA	-26.0	-2.0	1L	X	None
SV117-025-202		4/7/2020	1358	1SC01211	AVG05075	-25.0	-3.5	1L	X	None
SV117-050-202		4/7/2020	1401	1SS00863	AVG05123	-24.0	-2.0	1L	X	None
SV117-150-202		4/7/2020	1404	ISC00485	NA	-26.0	-1.5	1L	X	None
SV117-250-202		4/7/2020	1409	ISC01238	NA	-25.5	-5.0	1L	X	None
SV117-350-202		4/7/2020	1412	1SS00748	AVG0483#	-24.0	-4.0	1L	X	None
SV117-450-202		4/7/2020	1423	1SS00751	NA	-24.5	-4.0	1L	X	None
SV124-025-202		4/7/2020	1200	1SS00240	AVG04576	-23.5	-3.0	1L	X	None
SV124-050-202		4/7/2020	1203	1SC00669	NA	-25.0	-5.0	1L	X	None

FedEX Tracking Number: 1028 3396 5170

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 1 of 3

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan	4/9/20	1300			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-05

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko 1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV124-150-202		4/7/2020	1207	1SC01203	NA	-25.0	-0.5	1L	X	None
SV124-250-602		4/7/2020	1210	1SS00139	NA	-25.0	-2.0	1L	X	None
SV124-250-202		4/7/2020	1210	1SS00588	AVG05121	-24.0	-2.0	1L	X	None
SV124-350-202		4/7/2020	1215	1SS00756	NA	-24.5	-2.0	1L	X	None
SV124-450-202		4/7/2020	1226	1SS01007	NA	-25.0	-2.0	1L	X	None
SV125-025-202		4/7/2020	1103	1SC00202	NA	-28.0	-3.5	1L	X	None
SV125-050-202		4/7/2020	1106	1SC00106	NA	-26.0	-2.0	1L	X	None
SV125-150-202		4/7/2020	1110	1SC00304	AVG05120	-20.0	-1.0	1L	X	None
SV125-250-202		4/7/2020	1113	1SS00940	NA	-25.0	-2.0	1L	X	None
SV125-350-202		4/7/2020	1116	1SC00929	NA	-26.0	-1.0	1L	X	None

FedEX Tracking Number: 1028 3396 5160

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 2 of 3

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/9/20	Time: 1300	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-05

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD, (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Sampler (Print & Sign): Ryan Wortman

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

ALS Contact: Kate Kaneko 1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV125-450-202		4/7/2020	1127	1SC00754	NA	-26.0	-3.5	1L	X	None
SV127-025-202		4/7/2020	0936	1SC00934	AVG###99	-25.5	-3.5	1L	X	None
SV127-050-202		4/7/2020	0941	1SC00156	AVG05107	-24.5	-5.0	1L	X	None
SV127-150-202		4/7/2020	0947	1SC00943	AVG03260	-25.0	-2.0	1L	X	None
SV127-250-602		4/7/2020	0954	1SS01018	NA	-23.0	-2.0	1L	X	None
SV127-250-202		4/7/2020	0954	1SS00801	AVG05044	-24.0	-1.0	1L	X	None
SV127-350-202		4/7/2020	1003	1SC00528	NA	-24.0	-4.0	1L	X	None
SV127-450-202		4/7/2020	1016	1SS00743	NA	-25.0	-2.0	1L	X	None
SV133-025-202		4/8/2020	0831	1SC00116	NA	-24.5	-2.5	1L	X	None.
SV133-050-202		4/8/2020	0834	1SS00807	AVG03841	-25.0	-1.0	1L	X	None

FedEX Tracking Number: 1028 3396 5160

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 2 of 3

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4/7/20	1300			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-06

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Sampler (Print & Sign): Ryan Worthy

ALS Contact: Kate Kaneko 1 (805) 577-2089

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	Analysis Method: TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV133-170-202		4/8/2020	0838	1SS00861	AVG04790	-27.0	-3.0	1L	X	None
SV133-250-602		4/8/2020	0843	1SC00346	NA	-25.5	-2.0	1L	X	None
SV133-250-202		4/8/2020	0843	1SS00528	AVG04203	-26.5	-3.0	1L	X	None
SV133-350-202		4/8/2020	0848	1SC00472	AVG#4320	-24.5	-1.0	1L	X	None
SV133-450-202		4/8/2020	0858	1SC00007	AVG04875	-26.0	-4.0	1L	X	None
SV142-030-202		4/8/2020	1341	1SS00820	NA	-23.0	-2.0	1L	X	None
SV142-050-202		4/8/2020	1344	1SC01381	NA	-25.0	-2.0	1L	X	None
SV142-170-202		4/8/2020	1354	1SC00782	AVG05090	-25.0	-2.0	1L	X	None
SV142-170-602		4/8/2020	1354	1SC00193	NA	-24.0	0.0	1L	X	None
SV142-250-202		4/8/2020	1357	1SC01171	NA	-24.0	-2.0	1L	X	None

FedEX Tracking Number: 1028 3396 5137

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 3 of 3

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan	4/9/20	1300			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-06

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

Analysis Method: TO-15 Project Specific List

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV142-350-202		4/8/2020	1400	1SC00894	AVG04788	-25.0	-3.0	1L	X	None
SV142-450-202		4/8/2020	1409	1SS00064	AVG04747	-25.0	-2.0	1L	X	None

4/9/20

FedEX Tracking Number: 1028 3396 5137

Associated with Trip blank: SVTB-202-01

Shipping information: Box number 3 of 3

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4/9/20	1300			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-07

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Sampler (Print & Sign): Ryan Wartman

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	Analysis Method: TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV109-025-202		4/15/2020	0755	1SC00442	NA	-24.0	-2.0	1L	X	None
SV109-050-202		4/15/2020	0758	1SC00196	AVG03802	-27.0	-2.0	1L	X	None
SV109-150-202		4/15/2020	0801	1SC01158	AVG05144	-27.0	-1.5	1L	X	None
SV109-250-202		4/15/2020	0804	1SS00079	AVG05125	-24.0	-4.0	1L	X	None
SV109-350-202		4/15/2020	0807	1SC00876	NA	-24.0	-2.0	1L	X	None
SV109-450-602		4/15/2020	0816	1SS00181	AVG04#27	-26.0	-4.0	1L	X	None
SV109-450-202		4/15/2020	0816	1SC00368	NA	-24.5	-3.0	1L	X	None
SV110-025-202		4/15/2020	0846	1SS00221	NA	-25.0	-2.0	1L	X	None
SV110-050-202		4/15/2020	0849	1SC00010	NA	-25.0	-3.0	1L	X	None
SV110-150-202		4/15/2020	0852	1SC00054	AVG#5157	-25.0	-2.0	1L	X	None

FedEX Tracking Number: 1028 3396 5148

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 1 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/16/20	Time: 1100	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-07

Requested Turnaround Time in Business Days
10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information)
EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Westman

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV110-250-602		4/15/2020	0855	1SC00982	AVG04866	-24.0	-2.0	1L	X	None
SV110-250-202		4/15/2020	0855	1SC01011	NA	-26.0	-2.0	1L	X	None
SV110-350-202		4/15/2020	0904	1SS00226	AVG04775	-27.0	-4.0	1L	X	None
SV110-450-202		4/15/2020	0914	1SC00079	NA	-24.0	-3.0	1L	X	None
SV113-020-202		4/15/2020	1021	1SC00280	NA	-27.0	-5.0	1L	X	None
SV113-050-202		4/15/2020	1027	1SC01189	NA	-25.0	-5.0	1L	X	None
SV113-150-202		4/15/2020	1030	1SC00707	NA	-26.0	-1.0	1L	X	None
SV113-250-202		4/15/2020	1034	1SC01195	NA	-25.0	-2.0	1L	X	None
SV113-350-202		4/15/2020	1037	1SS00906	NA	-26.0	-4.0	1L	X	None
SV113-450-202		4/15/2020	1046	1SS00533	NA	-25.0	-1.5	1L	X	None

FedEx Tracking Number: 1028 3396 5148

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 1 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: **Yes**
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4/16/20	1100			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-08

Requested Turnaround Time in Business Days
10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information)
EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Vortman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV115-025-202		4/15/2020	0855	1SC00316	NA	-26.0	-4.0	1L	X	None
SV115-025-602		4/15/2020	0855	1SS00072	NA	-26.0	-5.0	1L	X	None
SV115-050-202		4/15/2020	0900	1SC00724	NA	-28.0	-2.0	1L	X	None
SV115-150-202		4/15/2020	0904	1SS00159	NA	-24.5	-3.0	1L	X	None
SV115-250-202		4/15/2020	0906	1SC01243	NA	-28.0	-5.0	1L	X	None
SV115-350-202		4/15/2020	0910	1SC00213	NA	-25.0	-1.0	1L	X	None
SV115-450-202		4/15/2020	0918	1SC00610	NA	-25.0	-1.0	1L	X	None
SV120-025-602		4/14/2020	0825	1SS00161	NA	-25.0	-5.0	1L	X	None
SV120-025-202		4/14/2020	0825	1SC01209	NA	-26.0	-2.0	1L	X	None
SV120-050-202		4/14/2020	0834	1SC00959	NA	-26.5	-0.5	1L	X	None

FedEX Tracking Number: 1028 3396 7666

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 2 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: **Yes**
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan Vortman	4/16/20	1100			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: **COC-SV202-08**

Requested Turnaround Time in Business Days
10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information)
EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV120-150-202		4/14/2020	0837	1SC00441	NA	-26.0	-1.0	1L	X	None
SV120-250-202		4/14/2020	0842	1SC00530	NA	-24.0	-2.0	1L	X	None
SV120-350-202		4/14/2020	0845	1SC00526	NA	-26.0	-3.0	1L	X	None
SV120-450-202		4/14/2020	0855	1SS00767	NA	-26.0	-3.5	1L	X	None
SV121-025-202		4/14/2020	0938	1SC00763	NA	-26.5	-5.0	1L	X	None
SV121-050-202		4/14/2020	0942	1SC00206	NA	-26.0	-2.5	1L	X	None
SV121-145-602		4/14/2020	0946	1SS01023	AVG05050	-24.5	0.0	1L	X	None
SV121-145-202		4/14/2020	0946	1SC01200	NA	-27.0	-3.0	1L	X	None
SV121-250-202		4/14/2020	0953	1SC00218	NA	-25.0	-3.5	1L	X	None
SV121-350-202		4/14/2020	0956	1SC00125	NA	-24.0	-1.0	1L	X	None

FedEX Tracking Number: 1028 3396 7666

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 2 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: **Yes**
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/16/20	Time: 1100	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: **COC-SV202-09**

Requested Turnaround Time in Business Days
10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information)
EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wertman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV121-450-202		4/14/2020	1005	1SS00974	NA	-26.0	-2.5	1L	X	None
SV122-025-202		4/14/2020	1041	1SS00971	NA	-25.0	-0.5	1L	X	None
SV122-050-202		4/14/2020	1045	1SC00776	NA	-26.0	-5.0	1L	X	None
SV122-150-202		4/14/2020	1048	1SC00856	NA	-24.0	-3.0	1L	X	None
SV122-250-202		4/14/2020	1051	1SC00896	NA	-25.5	-5.0	1L	X	None
SV122-350-202		4/14/2020	1055	1SC01008	NA	-25.0	-2.0	1L	X	None
SV122-450-202		4/14/2020	1104	1SS00747	NA	-25.0	-3.5	1L	X	None
SV123-025-202		4/14/2020	1234	1SC00463	NA	-25.0	0.0	1L	X	None
SV123-050-202		4/14/2020	1239	1SC00638	NA	-24.0	0.0	1L	X	None
SV123-150-202		4/14/2020	1243	1SS00901	NA	-26.0	-2.0	1L	X	None

FedEX Tracking Number: 1028 3396 9500

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 3 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: **Yes**
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan	4/16/20	1100			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-09

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD, (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV123-250-202		4/14/2020	1248	1SC00265	NA	-26.0	-5.0	1L	X	None
SV123-350-202		4/14/2020	1252	1SC00560	NA	-23.5	0.0	1L	X	None
SV123-450-202		4/14/2020	1300	1SC00612	NA	-25.0	-2.5	1L	X	None
SV131-025-202		4/15/2020	1115	1SS00905	NA	-24.0	-3.0	1L	X	None
SV131-055-202		4/15/2020	1118	1SC00604	NA	-20.0	0.0	1L	X	None
SV131-150-202		4/15/2020	1122	1SC00728	NA	-27.0	-5.0	1L	X	None
SV131-245-202		4/15/2020	1126	1SC00232	NA	-24.0	-2.0	1L	X	None
SV131-350-202		4/15/2020	1129	1SS01052	NA	-25.0	-2.0	1L	X	None
SV131-450-202		4/15/2020	1138	1SS00831	NA	-24.5	-4.5	1L	X	None
SV132-025-202		4/14/2020	0803	1SS00587	AVG04232	-25.0	-5.0	1L	X	None

FedEX Tracking Number: 1028 3396 9500

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 3 of 6

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4/16/20	1100			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-10

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Facilty

Project Number: 62735DM02

ALS Contact: Kate Kaneko 1 (805) 577-2089

Analysis Method: TO-15 Project Specific List

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV132-050-202		4/14/2020	0807	1SS00939	AVG04457	-27.0	-2.0	1L	X	None
SV132-175-202		4/14/2020	0810	1SC00050	AVG03813	-26.0	-2.5	1L	X	None
SV132-250-202		4/14/2020	0813	1SC01001	NA	-25.0	-1.5	1L	X	None
SV132-350-202		4/14/2020	0816	1SS00985	NA	-25.0	-3.0	1L	X	None
SV132-450-202		4/14/2020	0825	1SC00991	AVG0444	-25.0	-3.0	1L	X	None
SV134-025-202		4/14/2020	1251	1SS01011	NA	-26.5	-5.0	1L	X	None
SV134-050-202		4/14/2020	1253	1SC00478	NA	-25.0	-5.0	1L	X	None
SV134-170-202		4/14/2020	1256	1SS00857	NA	-26.0	-2.0	1L	X	None
SV134-250-202		4/14/2020	1300	1SS00087	AVG04776	-25.0	-2.0	1L	X	None
SV134-350-202		4/14/2020	1303	1SC00384	NA	-25.0	-1.5	1L	X	None

FedEX Tracking Number: 1028 3396 7655

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 4 of 6

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4/16/20	1100			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-10

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Sampler (Print & Sign): Ryan Wortman

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Analysis Method: TO-15 Project Specific List

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV134-350-602		4/14/2020	1303	1SC01044	AVG048##	-25.0	-3.0	1L	X	None
SV134-450-202		4/14/2020	1313	1SC00502	NA	-26.0	-1.5	1L	X	None
SV135-025-202		4/14/2020	0914	1SC00812	AVG04834	-25.0	-1.0	1L	X	None
SV135-050-202		4/14/2020	0917	1SS00851	AVG05152	-24.0	-1.0	1L	X	None
SV135-150-202		4/14/2020	0921	1SC00115	AVG03946	-26.0	-3.0	1L	X	None
SV135-250-202		4/14/2020	0924	1SS01034	NA	-25.0	-1.0	1L	X	None
SV135-250-602		4/14/2020	0924	1SS00739	AVG04##9	-24.0	-3.5	1L	X	None
SV135-350-202		4/14/2020	0929	1SC00509	NA	-24.0	-2.0	1L	X	None
SV135-450-202		4/14/2020	0938	1SS00812	NA	-25.0	-3.0	1L	X	None
SV137-025-202		4/14/2020	1017	1SS00990	NA	-25.0	-3.0	1L	X	None

FedEX Tracking Number: 1028 3396 7655

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 4 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/16/20	Time: 1100	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-11

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV137-050-202		4/14/2020	1020	1SS00028	NA	-26.0	-2.0	1L	X	None
SV137-150-202		4/14/2020	1022	1SS00922	AVG04682	-26.0	-2.0	1L	X	None
SV137-250-202		4/14/2020	1026	1SC00471	NA	-24.5	-1.5	1L	X	None
SV137-350-202		4/14/2020	1029	1SC00182	AVG051##	-26.0	-4.5	1L	X	None
SV137-450-202		4/14/2020	1038	1SC00044	AVG04680	-24.0	-1.0	1L	X	None
SV139-025-202		4/14/2020	1202	1SC00848	NA	-25.0	-2.0	1L	X	None
SV139-050-202		4/14/2020	1205	1SS00179	NA	-25.0	-2.5	1L	X	None
SV139-050-602		4/14/2020	1205	1SC00263	NA	-26.0	-4.0	1L	X	None
SV139-150-202		4/14/2020	1209	1SC00434	NA	-26.0	-4.0	1L	X	None
SV139-250-202		4/14/2020	1212	1SC00884	AVG04813	-26.0	-3.0	1L	X	None

FedEx Tracking Number: 1028 3396 7644

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 5 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	4/16/20	1100			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-11

Requested Turnaround Time in Business Days
10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information)
EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV139-350-202		4/14/2020	1215	1SC00611	AVG03563	-27.0	-2.0	1L	X	None
SV139-450-202		4/14/2020	1223	1SS00949	AVG05146	-25.0	-1.0	1L	X	None
SV140-025-202		4/14/2020	1344	1SC00727	NA	-25.0	0.0	1L	X	None
SV140-050-202		4/14/2020	1347	1SS00047	NA	-27.0	-5.0	1L	X	None
SV140-150-202		4/14/2020	1351	1SS00976	NA	-26.0	-3.0	1L	X	None
SV140-250-202		4/14/2020	1355	1SC00553	NA	-26.0	-5.0	1L	X	None
SV140-350-202		4/14/2020	1359	1SC00908	NA	-27.0	-2.0	1L	X	None
SV140-450-602		4/14/2020	1410	1SC01027	NA	-24.0	-4.0	1L	X	None
SV140-450-202		4/14/2020	1410	1SC01347	NA	-25.0	-2.0	1L	X	None
SVE12-410-202		4/15/2020	1023	1SC00273	NA	-25.0	-3.0	1L	X	None

FedEX Tracking Number: 1028 3396 7644

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 5 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: **Yes**
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan	4/16/20	1100			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: **COC-SV202-12**

Requested Turnaround Time in Business Days
10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information)
EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Devon Jercinovic (505) 715-4248 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Vortman

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV07-050-202		4/15/2020	0810	1SS00016	NA	-24.0	-5.0	1L	X	None
SV07-100-202		4/15/2020	0812	1SC01196	NA	-24.0	-1.5	1L	X	None
SV07-150-202		4/15/2020	0814	1SC00005	NA	-25.0	0.0	1L	X	None
SV14-150-202		4/15/2020	0942	1SC00332	NA	-25.0	-2.0	1L	X	None
SV14-250-202		4/15/2020	0945	1SS00848	NA	-24.0	-0.5	1L	X	None
SV14-350-202		4/15/2020	0948	1SC00601	NA	-22.0	-2.5	1L	X	None
SV14-450-202		4/15/2020	0959	1SC00388	NA	-23.5	-2.0	1L	X	None
SV14-450-602		4/15/2020	0959	1SC00191	NA	-26.5	-1.5	1L	X	None
SVTB-202-02		4/16/2020	0800	1SC00358	NA	-25.0	-25.0	1L	X	None

FedEX Tracking Number: 1028 3396 5159

Associated with Trip blank: SVTB-202-02

Shipping information: Box number 6 of 6

Report Tier Levels - please select
Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) X

EDD required: **Yes**
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/16/20	Time: 1100	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-13

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV108-025-202		4/21/2020	1008	1SC01089	AVG05003	-26.5	-4.0	1L	X	None
SV108-050-202		4/21/2020	1011	1SS00749	NA	-25.5	-4.0	1L	X	None
SV108-150-202		4/21/2020	1015	1SC00586	AVG04357	-22.0	-1.0	1L	X	None
SV108-250-202		4/21/2020	1019	1SS00944	AVG0458#	-24.0	-2.5	1L	X	None
SV108-350-202		4/21/2020	1023	1SS00535	NA	-25.0	-4.0	1L	X	None
SV108-350-602		4/21/2020	1023	1SS00859	AVG04723	-27.5	-5.0	1L	X	None
SV108-450-202		4/21/2020	1037	1SC01082	NA	-26.0	-2.5	1L	X	None
SV112-025-202		4/21/2020	1250	1SS00952	NA	-25.5	-4.5	1L	X	None
SV112-050-202		4/21/2020	1254	1SS00491	AVG04911	-23.5	-3.0	1L	X	None
SV112-150-202		4/21/2020	1257	1SC00962	NA	-24.0	-2.0	1L	X	None

FedEX Tracking Number: 1028 3396 9810

Associated with Trip blank: SVTB-202-03

Shipping information: Box number 1 of 4

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan Wortman	4/23/20	0900			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-13

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

Analysis Method: TO-15 Project Specific List

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV112-250-202		4/21/2020	1301	1SC00063	AVG04868	-25.0	-1.0	1L	X	None
SV112-350-202		4/21/2020	1305	1SS01001	AVG04383	-25.0	-4.0	1L	X	None
SV112-450-602		4/21/2020	1318	1SC00412	AVG03260	-25.0	-2.0	1L	X	None
SV112-450-202		4/21/2020	1318	1SC00582	AVG05076	-25.0	-2.0	1L	X	None
SV118-025-202		4/21/2020	0853	1SS00013	NA	-26.0	-4.0	1L	X	None
SV118-050-202		4/21/2020	0856	1SC00286	AVG04705	-23.0	-2.0	1L	X	None
SV118-160-202		4/21/2020	0901	1SC00496	NA	-25.0	-1.5	1L	X	None
SV118-265-202		4/21/2020	0904	1SS00223	NA	-25.0	-2.0	1L	X	None
SV118-350-202		4/21/2020	0910	1SS00018	NA	-27.0	-4.0	1L	X	None
SV118-450-602		4/21/2020	0925	1SS00741	AVG04965	-27.0	-1.5	1L	X	None

FedEX Tracking Number: 1028 3396 9810

Associated with Trip blank: SVTB-202-03

Shipping information: Box number 1 of 4

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan Wortman	4/23/20	0900			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

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2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-14

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): R Yaxx Wortman

Analysis Method: TO-15 Project Specific List

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV118-450-202		4/21/2020	0925	1SC00733	AVG04993	-25.0	-1.0	1L	X	None
SV119-025-202		4/22/2020	0908	1SC01004	NA	-26.0	0.0	1L	X	None
SV119-050-202		4/22/2020	0912	1SC00887	NA	-27.0	-2.0	1L	X	None
SV119-150-202		4/22/2020	0919	1SC00849	NA	-25.0	-4.5	1L	X	None
SV119-250-202		4/22/2020	0924	1SC00637	NA	-24.0	-1.0	1L	X	None
SV119-350-202		4/22/2020	0928	1SC00128	NA	-24.5	-2.0	1L	X	None
SV119-450-202		4/22/2020	0937	1SS00998	NA	-24.5	-1.5	1L	X	None
SV126-025-202		4/21/2020	1235	1SS00227	NA	-27.0	-2.0	1L	X	None
SV126-050-202		4/21/2020	1238	1SC00189	AVG04816	-23.5	-3.0	1L	X	None
SV126-150-202		4/21/2020	1241	1SS00123	AVG0482	-25.0	-4.0	1L	X	None

FedEX Tracking Number: 1028 3396 9809

Associated with Trip blank: SVTB-202-03

Shipping information: Box number 2 of 4

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4/23/20	0900			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-14

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV126-250-202		4/21/2020	1243	1SS00163	NA	-23.5	-2.0	1L	X	None
SV126-350-202		4/21/2020	1246	1SS00194	AVG04949	-24.0	0.0	1L	X	None
SV126-450-202		4/21/2020	1256	1SC01005	NA	-27.0	-1.5	1L	X	None
SV129-025-202		4/21/2020	1136	1SS00039	NA	-25.5	-4.5	1L	X	None
SV129-050-202		4/21/2020	1140	1SS00232	NA	-25.0	-2.0	1L	X	None
SV129-150-202		4/21/2020	1143	1SS01003	NA	-29.0	-2.0	1L	X	None
SV129-250-202		4/21/2020	1146	1SS00805	NA	-25.0	-2.0	1L	X	None
SV129-350-202		4/21/2020	1150	1SS01033	AVG05026	-24.0	-2.0	1L	X	None
SV129-450-202		4/21/2020	1200	1SC00950	AVG04501	-24.0	-1.0	1L	X	None
SV130-025-202		4/22/2020	1008	1SS00165	NA	-25.5	-4.0	1L	X	None

FedEX Tracking Number: 1028 3396 9809

Associated with Trip blank: SVTB-202-03

Shipping information: Box number 2 of 4

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/23/20	Time: 0900	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-15

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Facilty

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting:
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Walton

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV130-050-202		4/22/2020	1011	1SS00995	NA	-24.0	-4.0	1L	X	None
SV130-150-202		4/22/2020	1014	1SS00718	NA	-25.0	-5.0	1L	X	None
SV130-250-202		4/22/2020	1018	1SS00938	NA	-27.0	-5.0	1L	X	None
SV130-350-202		4/22/2020	1021	1SC00043	NA	-27.0	-2.0	1L	X	None
SV130-450-602		4/22/2020	1030	1SS00126	NA	-24.5	0.0	1L	X	None
SV130-450-202		4/22/2020	1030	1SC00130	NA	-25.0	-2.5	1L	X	None
SVE10-410-202		4/21/2020	1116	1SC01237	AVG05107	-24.0	-4.5	1L	X	None
SVE10-410-602		4/21/2020	1116	1SC00547	NA	-26.5	-2.0	1L	X	None
SVE11-410-202		4/21/2020	0820	1SS00207	NA	-25.0	-4.0	1L	X	None
SVE11-410-602		4/21/2020	0820	1SS00793	AVG05043	-26.0	-4.5	1L	X	None

FedEX Tracking Number: 1028 3397 0824

Associated with Trip blank: SVTB-202-03

Shipping information: Box number 3 of 4

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/23/20	Time: 0900	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 2 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-15

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SVE13-410-202		4/21/2020	1359	1SS00246	NA	-25.0	-3.0	1L	X	None
SV01-050-202		4/21/2020	0934	1SS00723	NA	-28.0	-4.0	1L	X	None
SV01-100-202		4/21/2020	0937	1SC00588	NA	-24.5	-2.0	1L	X	None
SV01-250-202		4/21/2020	0942	1SC00926	AVG04735	-26.5	-2.0	1L	X	None
SV01-300-202		4/21/2020	0946	1SC00975	NA	-25.0	-2.0	1L	X	None
SV02-050-202		4/21/2020	0758	1SS00911	NA	-26.5	-5.0	1L	X	None
SV02-100-202		4/21/2020	0803	1SS00787	AVG04242	-26.0	-2.5	1L	X	None
SV02-150-202		4/21/2020	0813	1SS00915	NA	-25.5	-3.5	1L	X	None
SV02-150-602		4/21/2020	0813	1SC00978	AVG0436#	-26.0	-2.5	1L	X	None
SV05-050-602		4/21/2020	0846	1SS01047	NA	-25.0	-2.0	1L	X	None

FedEX Tracking Number: 1028 3397 0824

Associated with Trip blank: SVTB-202-03

Shipping information: Box number 3 of 4

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Ryan	4/23/20	0900			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 2

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-16

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

ALS Contact: Kate Kaneko
1 (805) 577-2089

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle Suite 400, Hunt Valley, MD
(410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

P.O. # / Billing Information: 17682

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV05-050-202		4/21/2020	0846	1SC00581	NA	-26.0	-1.0	1L	X	None
SV05-100-202		4/21/2020	0851	1SS00836	NA	-26.0	-2.0	1L	X	None
SV05-230-202		4/21/2020	0855	1SC00185	AVG04535	-25.0	-1.0	1L	X	None
SV05-290-202		4/21/2020	0900	1SS00755	NA	-25.5	-3.5	1L	X	None
SV06-050-202		4/21/2020	1011	1SC00456	NA	-25.0	-0.5	1L	X	None
SV06-100-202		4/21/2020	1015	1SC01190	NA	-25.0	-2.0	1L	X	None
SV06-100-602		4/21/2020	1015	1SS00050	NA	-25.5	-2.0	1L	X	None
SV06-252-202		4/21/2020	1025	1SS00837	NA	-25.5	-4.0	1L	X	None
SV06-302-202		4/21/2020	1029	1SS00843	NA	-25.5	-2.0	1L	X	None
SV12-150-202		4/21/2020	1100	1SS00695	NA	-26.0	-4.0	1L	X	None

FedEX Tracking Number: 1028 3396 9820

Associated with Trip blank: SVTB-202-03

Shipping information: Box number 4 of 4

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4/23/20	0900			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C

Air - Chain of Custody Record & Analytical Service Request

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2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

COC #: COC-SV202-16

Requested Turnaround Time in Business Days: 10 Day-Standard

ALS Project No.

Company Name & Address (Reporting Information): EA Engineering, Science, and Technology, Inc., PBC, 225 Schilling Circle Suite 400, Hunt Valley, MD (410) 584-7000

Project Name: Kirtland AFB Bulk Fuels Faciltiy

Project Number: 62735DM02

P.O. # / Billing Information: 17682

Project Manager / Project Chemist: Bernie Bockish (505) 234-1105 / Pam Moss (303) 590-9143

Email Address for Result Reporting
Tara Lamond: tlamond@eaest.com
Amanda Smith: asmith@eaest.com
Pam Moss: pmoss@eaest.com

Sampler (Print & Sign): Ryan Wortman

ALS Contact: Kate Kaneko
1 (805) 577-2089

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg	Sample Volume	TO-15 Project Specific List	Comments e.g. Actual Preservative or specific instructions
SV12-250-202		4/21/2020	1103	1SS00124	AVG01048	-26.0	-3.0	1L	X	None
SV12-350-202		4/21/2020	1106	1SC00940	NA	-26.0	-3.5	1L	X	None
SV12-450-202		4/21/2020	1109	1SC00220	NA	-26.5	-2.0	1L	X	None
SV13-150-202		4/21/2020	0755	1SS00691	NA	-25.5	-2.0	1L	X	None
SV13-250-202		4/21/2020	0801	1SC00495	NA	-24.5	-1.0	1L	X	None
SV13-350-202		4/21/2020	0804	1SS00885	NA	-25.5	-1.0	1L	X	None
SV13-450-202		4/21/2020	0812	1SS00169	NA	-26.0	-3.0	1L	X	None
SV15-150-202		4/21/2020	1341	1SC01260	NA	-27.0	-3.5	1L	X	None
SV15-250-202		4/21/2020	1343	1SS00967	NA	-24.5	-4.5	1L	X	None
SV15-350-202		4/21/2020	1347	1SC00697	AVG04###	-24.0	-1.0	1L	X	None
SV15-450-202		4/21/2020	1350	1SC00521	NA	-24.0	-1.0	1L	X	None
SVTB-202-03		4/23/2020	0800	1SS00903	NA	-26.0	-26.0	1L	X	None

FedEX Tracking Number: 1028 3396 9820

Associated with Trip blank: SVTB-202-03

Shipping information: Box number 4 of 4

Report Tier Levels - please select
Tier I - Results (Default if not specified) ____ Tier III (Results + QC & Calibration Summaries) ____
Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) X

EDD required: Yes
Type: ERPIMS / EQuIS

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements: QAPP

Relinquished by: (Signature)	Date: 4/23/20	Time: 0900	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature NA °C