

DATE ~~12/06/12~~ 12/03/24

15

Team: [REDACTED]

Location: RHBFJF

Activity: Weekly

PPE: Level D

Ref: E2 HSP/WP, Navy, PPH, E385-1

Weather: Sunny

10:08 Arrive on site, Assemble pull cart, Safety brief
Calibrate PID

10:39 Enter Addit 5

10:50 Arrive @ SVMP 02

11:02 Arrive @ Sump 03 + 04

11:25 Arrive @ SVMP 05 + 06

11:44 Arrive @ SVMP 07 + 08

12:10 Arrive @ SVMP 09 + 10

12:25 CAL CHECK PID

12:29 Arrive @ SVMP 11 + 12

12:50 Arrive @ SVMP 13 + 14

1:12 Arrive @ SVMP 15 + 16

1:33 Arrive @ SVMP 17 + 18

1:58 Arrive @ SVMP 20

2:13 CAL PID, DEMOS

2:20 Exit Addit 5 + Depart Site

* All sil-con Mats + Sandbags replaced
after Sampling

Rite in the Rain



DAILY INSTRUMENT CALIBRATION LOG

Date: 12/3/24

E2 Team: [REDACTED]

Instrument Type, Model/Serial No.: PID, ppBRAE 3000 (PGM-7340) / 594-906662

INITIAL CALIBRATION: * All calibration is conducted with moisture filter attached.

Zero Calibration			Notes
Zeroing Tube (Make/P/N/ Batch No.) OR Zeroing Gas (Manufacturer/Lot No./Exp.)	Calibration Reading (ppbv)	Pass? (Y/N)	
Lot # 304-402761569-1 Exp: 06/20/2027	0 ppv	Y	
Span Calibration			
Calibration Gas – 10 ppm, Isobutylene (Manufacturer/Lot No./Exp.)	Calibration Reading (ppbv)	Pass? (Y/N)	
Lot # 304-402772576-1 Exp 06/20/2027	10003	Y	

Calibration Pass Criteria*: (1) Zero calibration = ± 100 ppb, (2) Span Calibration = ± 3% (300 ppb)

Temperature (°F) (measured from PID): 80°F

Background Reading (ppbv) (moisture filter attached): 0 ppv

CALIBRATION CHECK: *Calibration checks are conducted with moisture filter on. At minimum, one check at midpoint and one check at the end of monitoring. Additional checks conducted, as needed, to verify initial consecutive zero readings or suspected drift in PID readings.

Time	Calibration Gas – Concentration as indicated on initial span calibration (specify if other)			Notes (e.g., Location)
	Manufacturer/Lot No./Exp.	Calibration Reading (ppbv)	Pass? (Y/N)	
1225	Lot # 304-402772576-1	9,688	Y	Small hole in CAL gas tubing
213	" "	9581	Y	" "

Calibration Check Pass Criteria*: Span Calibration Gas = ± 10% (1,000 ppb)

Date: 12/3/24

*Note: If any parameter fails to meet the acceptable range, perform maintenance as needed and re-calibrate PID.

Soil Vapor Monitoring Log

Contract No.: <u>N62742-17-D-1802 CTO N6274221F0148</u>	Date: <u>12/3/24</u>
E2 Job No.: <u>210045</u>	
Project Title: <u>Long-Term Monitoring, Red Hill Bulk Fuel Storage Facility (RHBFSF)</u>	Location: <u>RHBFSF, JBPHH, Hawaii</u>
Personnel: _____	
Instrument Model: <u>ppbRAE 3000 (PGM-7340)</u>	Serial No.: <u>594-906662</u>
Calibration: <u>per SOP (see Instrument Calibration Log)</u>	

SVMP No. (Material)	Purge Start Time	Sample Start Time	PID Reading ²			Reading Time	Background PID Reading	Notes
			1	2	3			
SV02 S(C)	10:54	10:56	0	0	0	10:59	0	
SV02 M(C)	10:54	10:56	0	0	0	10:59		
SV02 D(C)	10:54	10:56	0	0	0	11:00		
SV03 S(S)	11:06	11:08	0	0	0	11:10	8	
SV03 M(S)	11:06	11:09	0	0	0	11:11		
SV03 D(S)	11:06	11:11	0	0	0	11:14		
SV04 S(S)	11:17	11:18	0	0	0	11:20	31	
SV04 M(S)	11:17	11:20	0	0	0	11:21		
SV04 D(S)	11:17	11:25	0	0	0	11:22		
SV05 S(S)	11:27	11:28	188	368	481	11:34	312	
SV05 M(S)	11:27	11:28	650	638	618	11:34		
SV05 D(S)	11:27	11:31	239	230	230	11:35		
SV06 S(C)	11:33	11:32 11:35	1647	1808	1975	11:36	250	
SV06 M(C)	11:33	11:35	618	533	447	11:36		
SV07 S(S)	11:48	11:49	0	0	0	11:54	75	
SV07 M(S)	11:48	11:49	9	8	8	11:54		
SV07 D(S)	11:48	11:51	127	128	134	11:54		
SV08 S(S)	11:58	12:00	24	23	23	12:01	62	
SV08 M(S)	11:58	12:00	13 13	19 19	8 8	12:03		
SV08 D(S)	11:58	12:00 12:03	81	84	88	12:05		
SV09 S(S)	12:11	12:12	0	0	0	12:15	27	
SV09 M(S)	12:11	12:11 12:12	17	0	0	12:18		
SV09 D(S)	12:11	12:14	21	22	25	12:18		
SV10 S(C)	12:20	12:21	7	0	0	12:23	49	
SV10 M/D(C)	12:20	12:21	0	0	0	12:24		

1. S - Shallow/Front (Yellow); M - Middle (Blue); M/D - Middle to Deep (Blue & White); D - Deep/Back (White); MD - Marine diesel (F-76); C - Copper tubing (O.D. ~1/4-in.); S - Stainless Steel Tubing (O.D. ~3/16 in.)

2. Readings are measured in part per billion by volume (ppbv) unless otherwise noted. Threshold for summa canister sampling for jet fuels (JP-5, F-24) is 50,000 ppbv and for marine diesel (F-76) is 8,000 ppbv.

Comments:

Date: 12/3/24

Soil Vapor Monitoring Log

SVMP No.	Purge Start Time	Sample Start Time	PID Reading ²			Reading Time	Background PID Reading	Notes
			1	2	3			
SV11 S _(C)	1231	1233	24	21	18	12:36	64	
SV11 M/D _(C)	12:31	1233	0	0	0	12:36		
SV12 S _(C)	1237	1240	82	63	61	12:43	147	
SV12 M _(C)	1237	1240	36	44	48	12:45		
SV12 D _(C)	1237	12:40	8	13	14	12:43		
SV13 S _(S)	1252	12:33	60	50	50	1258	110	
SV13 M _(S)	1252	12:53	57	44	42	102		
SV13 D _(S)	1252	1256	97	100	106	100		
SV14 S _(C)	103	105	32	34	35	106	121	
SV14 M _(C)	103	105	73	62	63	107		
SV14 D _(C)	105	107	39	40	42	109		
MD SV15 S _(S)	1:15	116	65	64	64	119	121	
MD SV15 M _(S)	115	116						
MD SV15 D _(S)	115	116	27	28	30	121		
MD SV16 S _(C)	118		124	123	+		224	
MD SV16 M _(C)	118	120	124	123	122	128		
MD SV16 D _(C)	122	124	103	102	101	129		
SV17 S _(S)	135	136	67	68	73	140	179	
SV17 M _(S)	135	136	64	39	42	142		
SV17 D _(S)	135	139	43	42	41	145		
SV18 S _(S)	140	143	209	237	268	154	163	Had trouble Filling
SV18 D _(S)	146	148	141			155		TUBE CLOGGED
SV20 S _(S)	200	202	161 141	146	145	209	21	
SV20 M _(S)	200	202	161	164	163	206		
SV20 D _(S)	200	206	144	139	141	206		

1. S - Shallow/Front (Yellow); M - Middle (Blue); M/D - Middle to Deep (Blue & White); D - Deep/Back (White); MD - Marine diesel (F-76); C - Copper tubing (O.D. ~1/4-in.); S - Stainless Steel Tubing (O.D. ~3/16 in.)
2. Readings are measured in part per billion by volume (ppbv) unless otherwise noted. Threshold for summa cannister sampling for both jet fuels (JP-5, F-24) is 50,000 ppbv and for marine diesel (F-76) is 8,000 ppbv.

Comments:

FOR SVMP 18D, tube appeared clogged. Bag would not fill. Put PID directly on SVMP hose + immediate stopped. ~~bag could not work.~~ ~~not any air~~ + Flashing Red bc could not get A.C.

12/03/2024 Red Hill SVMP Photographs



Photo 1. SVMP-02



Photo 2. SVMP-3



Photo 3. SVMP-04

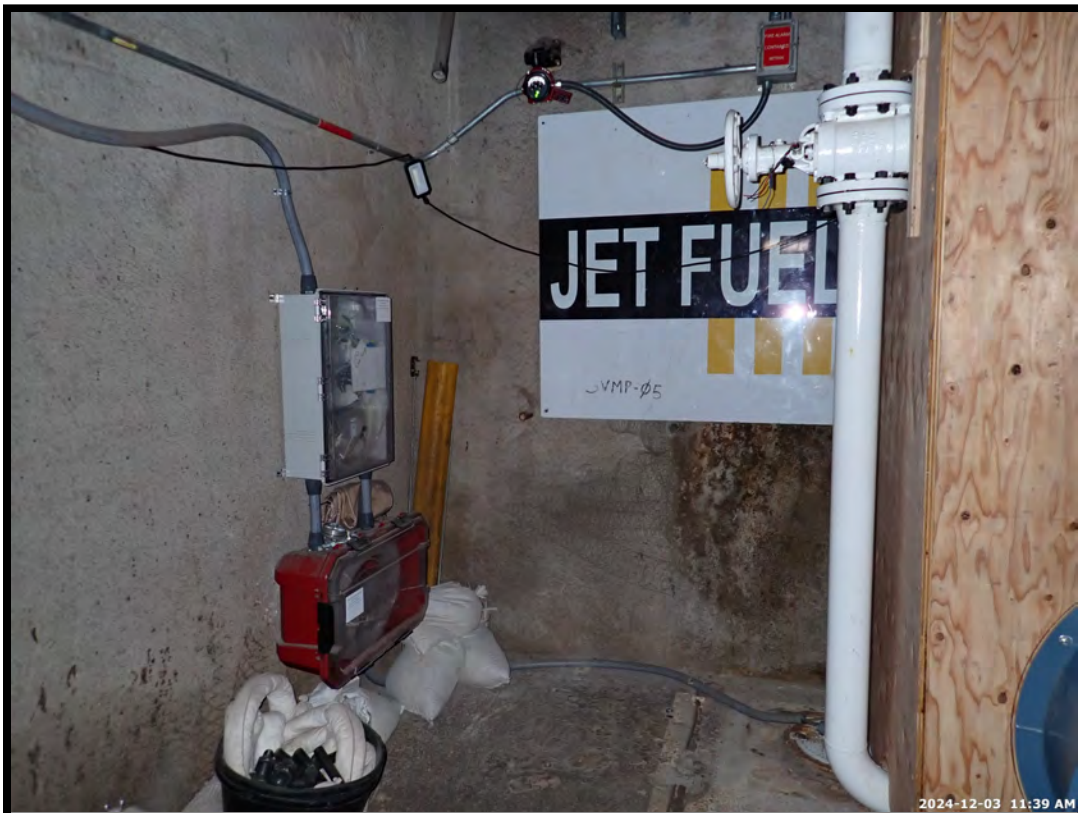


Photo 4. SVMP-05



Photo 5. SVMP-06



Photo 6. SVMP-07



Photo 7. SVMP-08



Photo 8. SVMP-09

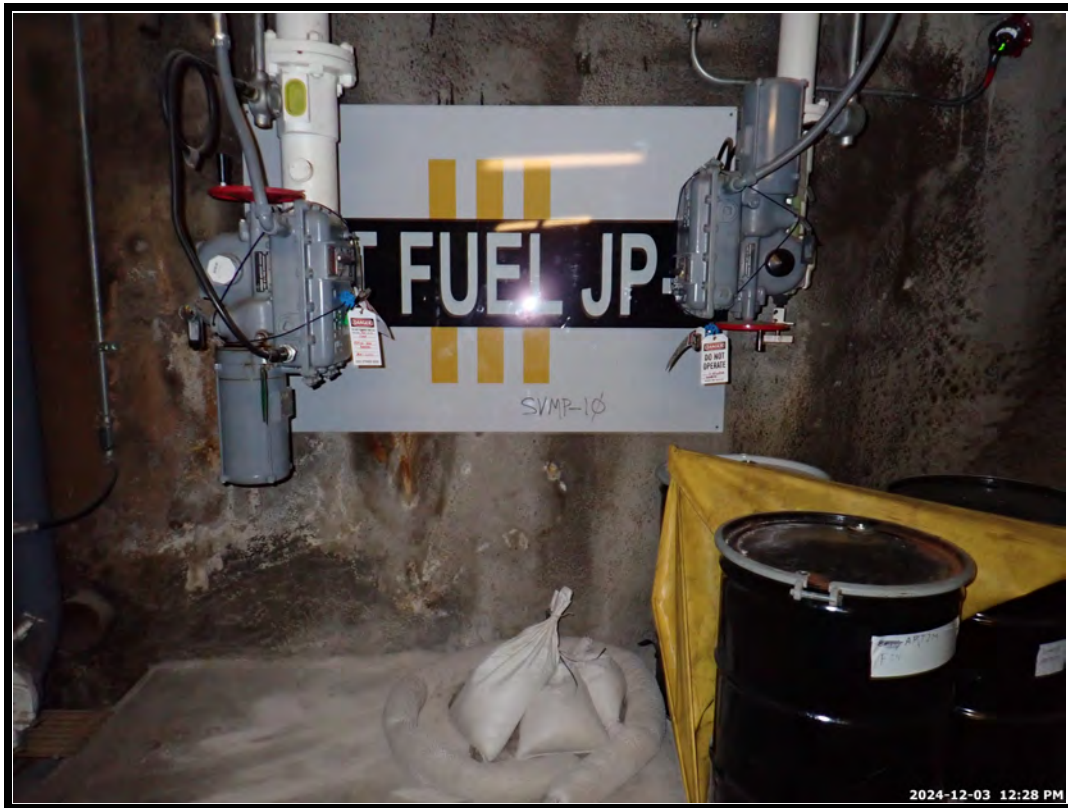


Photo 9. SVMP-10



Photo 10. SVMP-11

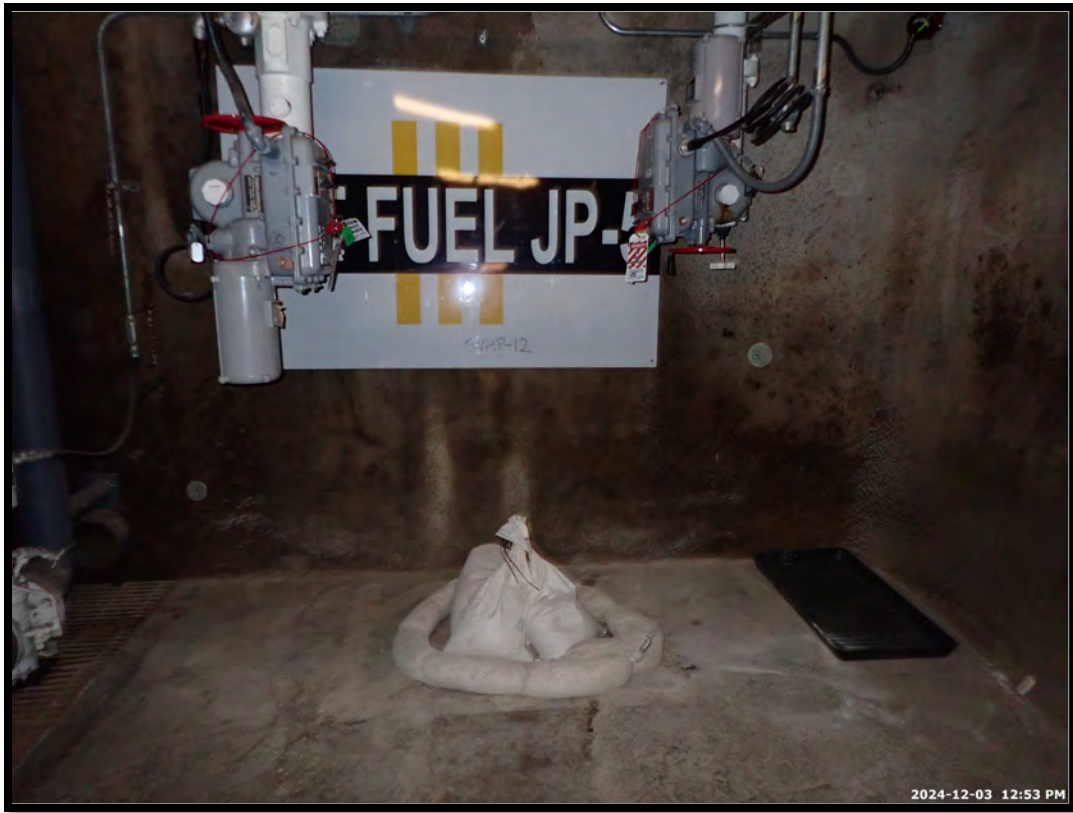


Photo 11. SVMP-12



Photo 12. SVMP-13



Photo 13. SVMP-14



Photo 14. SVMP-15



Photo 15. SVMP-16



Photo 16. SVMP-17



Photo 17. SVMP-18



Photo 18. SVMP-20