

18 Nov 2025 - Tuesday

Activity: Monthly FP & SVM

Team: [REDACTED]

Location: RHBFSK

PPE: Level D.

Weather: Partly cloudy, Sl. Breeze,

Refs: EZ W/ HSP, Navy PPM, ~80°F
EM385-1-1.

0910 - EZ onsite, Tailgate Safety
Meeting, Cal. PID.

0935 - Enter Adit 6.

0955 - [REDACTED] Arrive @ MW - 03

1006 [REDACTED] Arrive @ SVMP 02

1006 [REDACTED] Arrive @ MW - 02

1025 [REDACTED] Arrive @ SVMP 03 + 04

1040 [REDACTED] Arrive @ MW 04

1050 [REDACTED] Arrive @ SVMP 05 + 06

10:31 [REDACTED] Arrive @ MW 05

11:15 Arrive @ SVMP 07 + 08

11:30 Arrive @ SVMP 09 + 10

1149 Arrive @ SVMP Alt 12, Cal Check PID

1159 Arrive @ SVMP 13 + 14

12:15 Arrive @ SVMP 15 + 16

12:26 Arrive @ SVMP 17 + 18

1249 Arrive @ SVMP 20

1250 Cal Check PID

13:05 Ext Adit 5

★ ALL Secon
mats + Sand
bags replaced
after sampling

Rite in the Rain

Soil Vapor Monitoring Log

Contract No.: N62742-17-D-1802 CTO N6274221F0148

Date: 11/18/25

E2 Job No.: 210045

Project Title: Long-Term Monitoring, Red Hill Bulk Fuel Storage Facility (RHBFSF)

Location: RHBFSF, JBPHH, Hawaii

Personnel: XXXXXXXXXX

Instrument Model: ppbRAE 3000 (PGM-7340)

Serial No.: 594-906662

Calibration: per SOP (see Instrument Calibration Log)

SVMP No. (Material)	Purge Start Time	Sample Start Time	PID Reading ²			Reading Time	Background PID Reading	Notes
			1	2	3			
SV02 S _(C)	10:05	10:09	83	0	0	10:11	119	
SV02 M _(C)	10:05	10:09	0	0	0	10:12		
SV02 D _(C)	10:05	10:09	0	0	0	10:12		
SV03 S _(S)	10:26	10:27	43	22	14	10:30	291	
SV03 M _(S)	10:26	10:25	10	0	0	10:30		
SV03 D _(S)	10:26	10:27	21	13	3	10:31		
SV04 S _(S)	10:39	10:41	10	0	0	10:43	144	
SV04 M _(S)	10:39	10:41	0	0	0	10:45		
SV04 D _(S)	10:39	10:41	0	0	0	10:45		
SV05 S _(S)	10:59	11:00	103 35	28	20	11:12	127	Slow to Fill
SV05 M _(S)	10:59	11:00	103	97	94	11:05		
SV05 D _(S)	10:59	11:00	43	0	0	11:05		
SV06 S _(C)	11:12	11:15	2001	2188	2390	11:17	289	
SV06 M _(C)	11:12	11:15	930	529	3065	11:17		
SV07 S _(S)	11:19	11:21	90	80	69	11:25	380	
SV07 M _(S)	11:19	11:21	81	75	72	11:25		
SV07 D _(S)	11:19	11:21	123	117	114	11:25		
SV08 S _(S)	11:26	11:27	185	156	125	11:32	349	
SV08 M _(S)	11:26	11:27	135	116	108	11:32		
SV08 D _(S)	11:26	11:27	105	99	90	11:32		
SV09 S _(S)	11:35	11:37	95	83	71	11:41	323	
SV09 M _(S)	11:35	11:37	197	148	123	11:40		
SV09 D _(S)	11:35	11:37	68	60	56	11:41		
SV10 S _(C)	11:43	11:45	67	58	54	11:47	280	
SV10 M/D _(C)	11:43	11:45	60	58	52	11:47		

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) and marine diesel (F-76) is 50,000 ppbv.

Comments:

Soil Vapor Monitoring Log

Date: 11/18/25

SVMP No.	Purge Start Time	Sample Start Time	PID Reading ²			Reading Time	Background PID Reading	Notes
			1	2	3			
SV11 S _(C)	1150	1152	271	224	206	11:53	858	
SV11 M/D _(C)	1150	1152	212	187	115	11:53		
SV12 S _(C)	1159	1155	196	185	175	11:59	505	
SV12 M _(C)	1159	1155	169	158	149	11:59		
SV12 D _(C)	1159	1155	162	159	152	11:59		
SV13 S _(S)	12:01	12:02	107	100	99	12:01	260	
SV13 M _(S)	12:01	12:02	101	98	96	12:01		
SV13 D _(S)	12:01	12:02	117	107	104	12:01		
SV14 S _(C)	1208	1210	188	167	168	1214	266	
SV14 M _(C)	1208	1210	135	137	139	1214		
SV14 D _(C)	1208	1210	180	167	158	1214		
MD SV15 S _(S)	1218	1219	120	115	113	1220	297	
MD SV15 M _(S)	1218	1219	120	115	113	1220		
MD SV15 D _(S)	1218	1219	125	122	123	1220		
MD SV16 S _(C)	1222	1224	144	139	136	1225	326	
MD SV16 M _(C)	1222	1224	144	139	136	1225		
MD SV16 D _(C)	1222	1224	149	144	143	1225		
SV17 S _(S)	1229	1230	93	83	81	12:35	403	
SV17 M _(S)	1229	1230	91	85	84	12:35		
SV17 D _(S)	1229	1230	129	112	103	12:35		
SV18 S _(S)	12:38	1240	245	261	262	12:45	365	
SV18 D _(S)	1238	1240	224	224	225	1245		
SV20 S _(S)	12:50	1251	245	199	182	1255	3065	WORK OCCURRING
SV20 M _(S)	1250	1251	245	231	210	1255		@ Time of
SV20 D _(S)	1250	1251	451	331	295	1255		SAMPLES

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

Comments:



element environmental llc
environmental • engineering • water resources

Project Title: Long-Term Monitoring, Red Hill Bulk Fuel Storage
Facility (RHBFSF)
E2 Job No.: 210045

DAILY INSTRUMENT CALIBRATION LOG

Date: 11/18/25 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.) <u>or</u> Zeroing Gas (Manufacturer/Lot No./Exp.)	Calibration Reading (ppbv)	Pass? (Y/N)	
Gasco/314-402549118-1 exp. 11/3/26	φ.φ	Y	
Span Calibration			
Calibration Gas – 10 ppm, Isobutylene (Manufacturer/Lot No./Exp.)	Calibration Reading (ppbv)	Pass? (Y/N)	
Geotech/24-1736 exp. 6/4/29	9997	Y	
Calibration Pass Criteria*: (1) Zero calibration = ± 100 ppb, (2) Span Calibration= ± 3% (300 ppb)			

Temperature (°F) (measured from PID):

73°F

Background Reading (ppbv) (moisture filter attached):

φ

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)	
11:49	Geotech 24-1736 exp 6/4/29	9240	Y	
12:58	" "	9485	Y	
Calibration Check Pass Criteria*: Span Calibration Gas = $\pm 10\%$ (1,000 ppb)				

Date: 11/18/25

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

11/11/2025 Red Hill SVMP Photographs



Photo 1. SVMP-02



Photo 2. SVMP-03



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

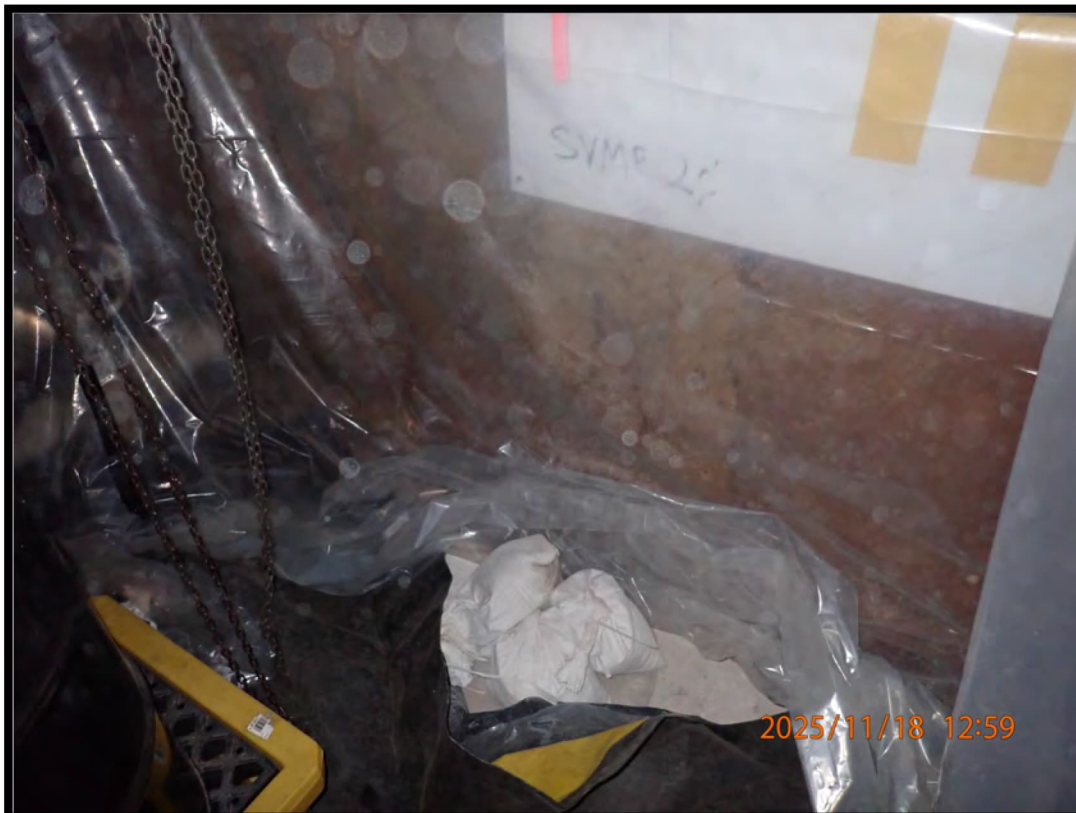


Photo 18. SVMP-20