

4/14/26

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Activity: Weekly Monitoring
Team: [REDACTED]

Location: RHBFSE

PPE: Level D

RF: E2 WP/HSP Navy RPM, EM 3851

Weather: Sunny 74°

800 Onsite Safety Meeting, w/ PID

840 Talked w/ APTIM,

ongoing pipe work, a

845 Attempted to sample SUMP-20,
but it was obstructed

→ started @ SUMP-17/18

9:05 Told by APTIM that
SUMP-14 was clear, attempted
but could not blk of
active pipe draining

9:10 Began at SUMP-02

9:15 Began @ SUMP-03

9:28 Attempt to sample SUMP-04
but Active work - APTIM,
No access

9:30 Arrived @ SUMP-05/06

9:40 Arrived @ SUMP-07/08

9:50 Arrived @ SUMP-09/10

10:15 Cart very slow, put on
charger

4/14/26 Cont.

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- 10:20 Break outside Calcheck
1040 Arrived @ SUMP-20 ↓
1052 Arrived @ SUMP 15/16
1107 Arrived @ SUMP 13/14
1117 Arrived @ SUMP 11/12
1130 Arrived @ SUMP-04
1155 Put gear back in storage
1215 Ed offsite

All mats + sandbags etc
Replaced



DAILY INSTRUMENT CALIBRATION LOG

Date: 4/14/20 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)	
Gasco 304-40254918-1 1013126	0	Y	@ adit# 6
Span Calibration			
Calibration Gas – 10 ppm, Isobutylene (Manufacturer/Lot No./Exp.)	Calibration Reading (ppbv)	Pass? (Y/N)	
Geotech 24-1736 6/14/29	10000	Y	

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

Temperature (°F) (measured from PID): 74

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

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)	
1040	Geotech 24-1736 6/14/29	9131	Y	@ SMP-20
1147	Geotech 24-1736 6/14/29	9093	Y	@ SMP-04

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

Date: _____

*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>4/14/26</u>
E2 Job No.: <u>210045</u>	
Project Title: <u>Long-Term Monitoring Red Hill Bulk Fuel Storage Facility (RHBSF)</u>	Location: <u>RHBSF, JBPHH, Hawaii</u>
Personnel: [REDACTED]	
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)	910	912	0	0	0	915	101		
SV02 M _(C)	910	912	0	0	0	916			
SV02 D _(C)	910	912	0	0	0	917			
SV03 S _(S)	915	916	0	0	0	920	119		
SV03 M _(S)	915	916	2	0	0	921			
SV03 D _(S)	915	916	0	0	0	922			
SV04 S _(S)	1137	1138	0	0	0	1141	282	Cal check	
SV04 M _(S)	1137	1138	20	2	0	1142			
SV04 D _(S)	1137	1138	38	20	17	1143			
SV05 S _(S)	929	930	599	573	547	933	735		
SV05 M _(S)	929	930	561	427	418	934			
SV05 D _(S)	929	930	260	225	217	935			
SV06 S _(C)	935	937	1601	1907	2008	940	411		
SV06 M _(C)	935	937	633	487	374	941			
SV07 S _(S)	940	941	9	7	7	945		174	
SV07 M _(S)	940	941	0	0	0	946			
SV07 D _(S)	940	941	15	12	9	947			
SV08 S _(S)	945	946	8	15	10	950	192		
SV08 M _(S)	945	946	119	132	132	951			
SV08 D _(S)	945	946	0	0	0	952			
SV09 S _(S)	950	951	0	0	0	955	02		
SV09 M _(S)	950	951	0	0	0	955			
SV09 D _(S)	950	951	0	0	0	955			
SV10 S _(C)	954	956	0	0	0	1000	11		
SV10 M/D _(C)	954	956	0	0	0	1001			

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 jet fuels (JP-5, F-24) is 50,000 ppbv and for marine diesel (F-76) is 8,000 ppbv.

Comments: _____

Date: _____

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)	1118	1120	55	58	61	1124	138	
SV11 M/D _(C)	1118	1120	47	43	42	1123		
SV12 S _(C)	1122	1124	5	0	0	1130	84	
SV12 M _(C)	1122	1124	0	0	0	1131		
SV12 D _(C)	1122	1124	0	0	0	1132		
SV13 S _(S)	1108	1109	47	20	2	1113	868	
SV13 M _(S)	1108	1109	381	273	134	1111		
SV13 D _(S)	1108	1109	124	11	109	1112		
SV14 S _(C)	1112	1114	5	1	0	1116	3	
SV14 M _(C)	1112	1114	0	0	0	1117		
SV14 D _(C)	1112	1114	0	0	0	1118		
MD SV15 S _(S)	1055	1056	363	264	218	1100	1693	
MD SV15 M _(S)								
MD SV15 D _(S)	1055	1056	281	263	237	1101		
MD SV16 S _(C)			31	15			108	
MD SV16 M _(C)	1100	1102	31	15	7	1105		
MD SV16 D _(C)	1100	1102	11	2	0	1106		
SV17 S _(S)	845	846	0	0	0	856	0	
SV17 M _(S)	845	846	0	0	0	851		
SV17 D _(S)	845	846	0	0	0	852		
SV18 S _(S)	850	851	159	180	203	857	204	
SV18 D _(S)	850	851	616	802	971	858		
SV20 S _(S)	1043	1044	0	0	0	1046	9	Cal check
SV20 M _(S)	1043	1044	0	0	0	1047		
SV20 D _(S)	1043	1044	0	0	0	1048		

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:

04/14/2026 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