B-3 HAZGAS Calibrations
2023

Scheduled sensor replacement
Sensor replaced due to failure

Sensor Type and Location	Point Address	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B03 150 HPR 1, LEL	0.2.4	0	100	%LEL	8/15/23	0	29	0	29	271897	12/15/2022	10/21	10	2026	61-0-F-0	X5000
B03 150 HPR 1, CO	0.2.5	0	500	PPM	8/15/23	0	309	0	300	280124	12/15/2022	7/21	7	2026	11-0-F-0	X5000
B03 150 HPR 2, H2S	0.2.6	0	50	PPM	8/15/23	0	39.9	0	40	273528	12/15/2022	10/21	10	2026	21-0-F-0	X5000
B03 150 MIR 1, LEL	0.2.1	0	100	%LEL	8/15/23	0	29	0	29	271897	12/15/2022	10/21	10	2026	61-0-F-0	X5000
B03 150 MIR 1, H2S	0.2.2	0	50	PPM	8/15/23	0	39.4	0	40	273528	12/15/2022	10/21	10	2026	21-0-F-0	X5000
B03 150 MIR 2, CO	0.2.3	0	500	PPM	8/15/23	0	304	0	300	280124	12/15/2022	7/21	7	2026	11-0-F-0	X5000
B03 162 MSL CO2	0.3.1	0	5	%	8/15/23	0	1.5	0	1.5	271486	12/15/2022	12/22	12	2032	AF-0-F-0	X5000
B03 160 SOFCEL 1, LEL	0.3.2	0	100	%LEL	8/15/23	0	29	0	29	271897	12/15/2022	10/21	10	2026	61-0-F-0	X5000
B03 160 SOFCEL 1, O2	0.3.3	0	25	%	8/15/23	0	20.8	0	20.8	250038	12/15/2022	11/21	11	2026	16-0-F-0	X5000
B03 160 SOFCEL 2, CO	0.3.4	0	500	PPM	8/15/23	0	306	0	300	280124	12/15/2022	7/21	7	2026	11-0-F-0	X5000
B03 150 CYL. RM. LEL	0.2.7	0	100	%LEL	8/15/23	0	29	0	29	271897	12/15/2022	10/21	10	2026	61-0-F-0	X5000
B03 150 CYL. RM. O2	0.2.8	0	25	%	8/15/23	0	20.8	0	20.8	250038	12/15/2022	11/21	11	2026	16-0-F-0	X5000

All calibration gases are supplied by Portagas.

B-4 HAZGAS Calibrations
2023

Scheduled sensor replacement	New LEL and CO X5000 sensors have been installed for the CLR, located in the middle bay. They have been calibrated and an empirical alarm test has been performed. All worked as it should.
Sensor replaced due to failure	

Sensor Type and Location	Point Address (B04PXCM01-HG)	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B04 CO 45' 1st Bay West	**0.2.4**	0	500	PPM	08/08/23	0	306	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 CO-5' 1st Bay West	**0.2.3**	0	500	PPM	08/08/23	0	303	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 CO-45' W/mid bay	**0.2.2**	0	500	PPM	08/08/23	0	305	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 CO-5' W/mid bay	**0.2.1**	0	500	PPM	08/08/23	0	304	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 CO-45' E/mid bay	**0.2.6**	0	500	PPM	08/08/23	0	302	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 CO-5' E/mid bay	**0.2.5**	0	500	PPM	08/08/23	0	304	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 CO-45' 3rd Bay East	**0.2.8**	0	500	PPM	08/08/23	0	308	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 CO-5' 3rd Bay East	**0.2.7**	0	500	PPM	08/08/23	0	302	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 CO Gas Shed	**0.3.4**	0	500	PPM	08/08/23	0	306	0	300	280124	P/S 02/08/23	7/21	7	2026	11-0-F-0-0	X5000
B04 LEL Gas Shed	**0.3.3**	0	100	%LEL	08/08/23	0	29	0	29	271897	P/S 02/08/23	10/21	10	2026	61-0-F-0-0	X5000
B04 LEL SOFCEL	**0.3.2**	0	100	%LEL	08/08/23	0	28	0	29	271897	P/S 02/08/23	10/21	10	2026	61-0-F-0-0	X5000
CLR-LEL	**0.3.5**	0	100	%LEL	8/14/23	0	30	0	29	271897	8/14/2023	10/21	10	2026	61-0-F-0-0	X5000
CLR-CO	**0.3.6**	0	500	PPM	8/14/23	0	287	0	300	280124	8/14/2023	7/21	7	2026	11-0-F-0-0	X5000

All calibration gases are supplied by Portagas.

B-5 HAZGAS Calibrations
2023

Intalled new X5000 Monitors per work order R0304670.

Sensor replaced due to failure

Sensor Type and Location	Point Address (B05PXCM01-HG)	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B05 TUNNEL LEL EAST	0.2.7	0	100	%LEL	8/29/23	0	29	0	29	271897	P 11/21/22	5/19	5	2024	61-0-F-0-0	X5000
B05 TUNNEL O2 EAST	0.2.8	0	25	%	8/29/23	0	20.8	0	20.8	250038	P 11/21/22	5/19	5	2024	16-0-F-0-0	X5000
B05 TUNNEL O2 MID	0.2.4	0	25	%	8/29/23	0	20.8	0	20.8	250038	P 11/21/22	5/19	5	2024	16-0-F-0-0	X5000
B05 TUNNEL LEL MID	0.2.3	0	100	%LEL	8/29/23	0	29	0	29	271897	P 11/21/22	5/19	5	2024	61-0-F-0-0	X5000
B05 TUNNEL O2 NORTH	0.2.6	0	25	%	8/29/23	0	20.8	0	20.8	250038	P 11/21/22	5/19	5	2024	16-0-F-0-0	X5000
B05 TUNNEL LEL NORTH	0.2.5	0	100	%LEL	8/29/23	0	29	0	29	271897	P 11/21/22	5/19	5	2024	61-0-F-0-0	X5000
B05 TUNNEL O2 WEST	0.2.2	0	25	%	8/29/23	0	20.8	0	20.8	250038	P 11/21/22	5/19	5	2024	16-0-F-0-0	X5000
B05 TUNNEL LEL WEST	0.2.1	0	100	%LEL	8/29/23	0	28	0	29	271897	P 11/21/22	5/19	5	2024	61-0-F-0-0	X5000
B05 BLRS CO EAST	0.3.6	0	500	PPM	8/29/23	0	299	0	300	280124	P/S 11/21/22	12/19	12	2024	11-0-F-0-0	X5000
B05 BLRS LEL EAST	0.3.5	0	100	%LEL	8/29/23	0	27	0	29	271897	P/S 11/21/22	11/20	11	2025	61-0-F-0-0	X5000
B05 BLRS CO WEST 20'	0.3.2	0	500	PPM	8/29/23	0	301	0	300	280124	P/S 11/21/22	12/19	12	2024	11-0-F-0-0	X5000
B05 BLRS LEL WEST 20'	0.3.3	0	100	%LEL	8/29/23	0	27	0	29	271897	P/S 11/21/22	11/20	11	2025	61-0-F-0-0	X5000
B05 NG REDUCTION LEL	0.3.1	0	100	%LEL	8/29/23	0	29	0	29	271897	P/S 11/21/22	11/20	11	2025	61-0-F-0-0	X5000

All calibration gases are supplied by Portagas.

B-6 HAZGAS Calibrations
2023

Scheduled sensor replacement
Sensor replaced due to failure

Sensor Type and Location	Point Address	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B06 CO 103 GRD LVL	0.3.2	0	500	PPM	8/4/23	0	302	0	300	280124	5/16/2023	7/21	7	2026	11-0-F-0	X5000
B06 O2 103 GRD LVL	0.3.4	0	25	%	8/4/23	0	20.8	0	20.8	250038	5/16/2023	11/21	11	2026	16-0-F-0	X5000
B06 LEL 103 GRD LVL	0.3.3	0	100	%LEL	8/4/23	0	29	0	29	271897	5/16/2023	10/21	10	2026	61-0-F-0	X5000
B06 LEL 105	0.3.8	0	100	%LEL	8/4/23	0	29	0	29	271897	5/16/2023	10/21		2026	61-0-F-0	X5000
B06 CO 105	0.4.1	0	500	PPM	8/4/23	0	301	0	300	280124	5/16/2023	7/21	7	2026	11-0-F-0	X5000
B06 LEL 103 LECTR	0.3.5	0	100	%LEL	8/4/23	0	29	0	29	271897	5/16/2023	10/21	10	2026	61-0-F-0	X5000
B06 LEL 102	0.3.1	0	100	%LEL	8/4/23	0	29	0	29	271897	5/16/2023	10/21	10	2026	61-0-F-0	X5000
B06 LEL 103 2ND LVL	0.2.7	0	100	%LEL	8/4/23	0	29	0	29	271897	5/16/2023	10/21	10	2026	61-0-F-0	X5000
B06 O2 CONTRL RM.	1.3.7	0	25	%	8/4/23	0	20.8	0	20.8	250038	5/16/2023	11/21	11	2026	16-0-F-0	X5000
B06 LEL MEZZ	0.2.4	0	100	%LEL	8/4/23	0	29	0	29	271897	5/16/2023	4/22	4	2027	61-0-F-0	X5000
B06 CO MEZZ	0.2.2	0	500	PPM	8/4/23	0	303	0	300	280124	5/16/2023	7/21	7	2026	11-0-F-0	X5000
B06 O2 MEZZ	0.2.3	0	25	%	8/4/23	0	20.8	0	20.8	250038	5/16/2023	11/21	11	2026	16-0-F-0	X5000
B06 NO MEZZ	0.2.5	0	100	PPM	8/4/23	0	49.5	0	50	279969	5/16/2023	3/22	3	2027	72-0-F-0	X5000
B06 NO2 MEZZ	0.2.1	0	10	PPM	8/4/23	0	10	0	10	277576	5/16/2023	3/22	3	2027	73-0-F-0	X5000
B06 CO 103 2ND LVL	0.2.8	0	500	PPM	8/4/23	0	299	0	300	280124	5/16/2023	7/21	7	2026	11-0-F-0	X5000
B06 O2 103 2ND LVL	0.2.6	0	25	%	8/4/23	0	20.8	0	20.8	250038	5/16/2023	11/21	11	2026	16-0-F-0	X5000
B06 CO CONTROL RM.	0.3.6	0	500	PPM	8/4/23	0	306	0	300	280124	5/16/2023	7/21	7	2026	11-0-F-0	X5000

All calibration gases are supplied by Portagas.

B-13 HAZGAS Calibrations
2023

Sensor Type and Location	Point Address (B13PXCC01-HG)	Low Alarm	High Alarm	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B13 O_2 (A2) Rm. 11	0.2.2	19.5	18	0	25	%	8/14/2023	0	20.8	0	20.8	250038	8/24/23	3/20	3	2025	16-0-F-0-0	X5000
B13 LEL (A1) Rm. 15	0.2.1	10	20	0	100	%LEL	8/14/2023	0	29	0	29	271897	8/24/23	2/23	2	2028	61-0-F-0-0	X5000
B13 CO (B2) Rm. 11	0.2.4	35	200	0	300	PPM	8/14/2023	0	305	0	300	280124	8/24/23	3/23	3	2028	11-0-F-0-0	X5000
B13 LEL (B1) Rm. 11	0.2.3	10	20	0	100	%LEL	8/14/2023	0	30	0	29	271897	8/24/23	2/23	2	2028	61-0-F-0-0	X5000

All calibration gases are supplied by Portagas.

B-14 HAZGAS Calibrations
2023

*1 scheduled replacement sensor has not arrived from MSA. This sensor, (H2S ext./ rm1/ west), has been calibrated and is in good working condition. Sensor will be replaced immediately upon arrival.
*B14_Ext. Rm2 East H2S, that failed calibration on 7/18, has been replaced undrer warranty. *The 4 overdue CO sensors have been replaced along with the O2 sensor that was due this month.

Sensor Type and Location	Low Alarm	High Alarm	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B14_Ext. Rm1 West LEL	10	20	0	100	%LEL	8/22/23	0	24	0	25	271897	7/20/2023	3/23	3	2026	31-1-0	Ultima XE
B14_Ext. Rm1 West CO	35	200	0	500	PPM	8/1/23	0	322	0	300	280124	7/20/2023	7/23	7	2025	12-1-0	Ultima XE
B14_Ext. Rm1 West H2S	10	15	0	50	PPM	8/22/23	0	39	0	40	273528	7/20/2023	7/21	7	2023	16-1-0	Ultima XE
B14_Int. Rm1 North LEL	10	20	0	100	%LEL	8/22/23	0	25	0	25	271897	7/20/2023	3/23	3	2026	31-1-0	Ultima XE
B14_Int. Rm1 North CO	35	200	0	500	PPM	8/1/23	0	313	0	300	280124	7/20/2023	7/23	7	2025	12-1-0	Ultima XE
B14_Int. Rm1 North H2S	10	15	0	50	PPM	8/22/23	0	39.2	0	40	273528	7/20/2023	2/23	2	2025	16-1-0	Ultima XE
B14_Int. Rm1 North O2	19.5	19.5	0	25	%	8/22/23	0	20.8	0	20.8	250038	7/20/2023	11/22	11	2024	14-1-0	Ultima XE
B14_Ext. Rm2 West LEL	10	20	0	100	%LEL	8/22/23	0	25	0	25	271897	7/20/2023	11/22	11	2025	31-1-0	Ultima XE
B14_Ext. Rm2 West CO	35	200	0	500	PPM	8/1/23	0	325	0	300	280124	7/20/2023	7/23	7	2025	12-1-0	Ultima XE
B14_Ext. Rm2 West H2S	10	15	0	50	PPM	8/22/23	0	36.6	0	40	273528	7/20/2023	4/23	4	2025	16-1-0	Ultima XE
B14_Int. Rm2 North LEL	10	20	0	100	%LEL	8/22/23	0	25	0	25	271897	7/20/2023	3/23	3	2026	31-1-0	Ultima XE
B14_Int. Rm2 North CO	35	200	0	500	PPM	8/1/23	0	308	0	300	280124	7/20/2023	7/23	7	2025	12-1-0	Ultima XE
B14_Int. Rm2 North H2S	10	15	0	50	PPM	8/22/23	0	39.2	0	40	273528	7/20/2023	2/23	2	2025	16-1-0	Ultima XE
B14_Int. Rm2 North O2	19.5	19.5	0	25	%	8/23/23	0	20.8	0	20.8	250038	7/20/2023	8/23	8	2025	14-1-0	Ultima XE
B14_Ext. Rm2 East LEL	10	20	0	100	%LEL	8/22/23	0	24	0	25	271897	7/20/2023	3/23	3	2026	31-1-0	Ultima XE
B14_Ext. Rm2 East CO	35	200	0	500	PPM	8/22/23	0	299	0	300	280124	7/20/2023	12/22	12	2024	12-1-0	Ultima XE
B14_Ext. Rm2 East H2S	10	15	0	50	PPM	8/23/23	0	39.4	0	40	273528	7/20/2023	8/23	8	2025	16-1-0	Ultima XE
B14_Roof. Rm2 LEL	10	20	0	100	%LEL	8/23/23	0	25	0	25	271897	7/20/2023	11/21	11	2024	31-1-0	Ultima XE
B14_Roof. Rm2 CO	35	200	0	500	PPM	8/23/23	0	298	0	300	280124	7/20/2023	2/23	2	2025	12-1-0	Ultima XE

All calibration gases are supplied by Portagas.

B-14 HAZGAS Calibrations
2023

Sensor Type and Location	Low Alarm	High Alarm	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B14_Roof. Rm1 LEL	10	20	0	100	%LEL	8/23/23	0	25	0	25	271897	7/20/2023	11/21	11	2024	31-1-0	Ultima XE
B14_Roof. Rm1 CO	35	200	0	500	PPM	8/23/23	0	299	0	300	280124	7/20/2023	2/23	2	2025	12-1-0	Ultima XE
B14_Int. Rm2 East NH3	25	35	0	100	PPM	8/22/23	0	22	0	25	267075	7/20/2023	5/22	5	2024	48-6-0	Ultima XE
B14_Ext. Rm2 East NH3	25	35	0	100	PPM	8/22/23	0	26	0	25	267075	7/20/2023	5/22	5	2024	48-6-0	Ultima XE

All calibration gases are supplied by Portagas.

B-17 HAZGAS Calibrations
2023

Scheduled sensor replacement
Sensor replaced due to failure

Sensor Type and Location	Point Address	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B17 Rm. 16 H2S	**0.2.7**	0	50	PPM	8/11/23	0	38.7	0	40	273528	P/S 3/31/23	10/21	10	2026	21-0-F-0	X5000
B17 Rm. 16 LEL	**0.2.6**	0	100	%LEL	8/11/23	0	31	0	29	271897	P/S 3/31/23	10/21	10	2026	61-0-F-0	X5000
B17 CTScan CO2 South	**0.3.6**	0	5	%	8/11/23	0	1.5	0	1.5	271486	P/S 3/31/23	3/23	3	2033	AF-0-F-0	X5000
B17 CTScan CO2 North	**0.3.4**	0	5	%	8/11/23	0	1.5	0	1.5	271486	P/S 3/31/23	3/23	3	2033	AF-0-F-0	X5000
B17 CTScan LEL South	**0.3.5**	0	100	%LEL	8/11/23	0	29	0	29	271897	P/S 3/31/23	10/21	10	2026	61-0-F-0	X5000
B17 CTScan LEL North	**0.3.3**	0	100	%LEL	8/11/23	0	29	0	29	271897	P/S 3/31/23	10/21	10	2026	61-0-F-0	X5000
B17 Bsemnt Xraylab O2 Rm 24	**0.4.1**	0	25	%	8/11/23	0	20.8	0	20.8	250038	P/S 3/31/23	11/21	11	2026	16-0-F-0	X5000
B17 Bsemnt Xraylab CO2 Rm 24	**0.3.8**	0	5	%	8/11/23	0	1.5	0	1.5	271486	P/S 3/31/23	3/23	3	2033	AF-0-F-0	X5000
B17 Bsemnt Xraylab LEL Rm 24	**0.3.7**	0	100	%LEL	8/11/23	0	29	0	29	271897	P/S 3/31/23	10/21	10	2026	61-0-F-0	X5000
B17 Medunit Xraylab O2	**0.2.8**	0	25	%	8/11/23	0	20.8	0	20.8	250038	P/S 3/31/23	11/21	11	2026	16-0-F-0	X5000
B17 Medunit Xraylab CO2	**0.3.2**	0	5	%	8/11/23	0	1.6	0	1.5	271486	P/S 3/31/23	3/23	3	2033	AF-0-F-0	X5000
B17 Medunit Xraylab LEL	**0.2.1**	0	100	%LEL	8/11/23	0	29	0	29	271897	P/S 3/31/23	10/21	10	2026	61-0-F-0	X5000
B17 Rm. 11 O2	**0.2.5**	0	25	%	8/11/23	0	20.8	0	20.8	250038	P/S 3/31/23	11/21	11	2026	16-0-F-0	X5000
B17 Rm. 11 LEL	**0.2.4**	0	100	%LEL	8/11/23	0	29	0	29	271897	P/S 3/31/23	10/21	10	2026	61-0-F-0	X5000
B17 EGC LEL	**0.2.2**	0	100	%LEL	8/11/23	0	29	0	29	271897	P/S 3/31/23	10/21	10	2026	61-0-F-0	X5000
B17 EGC CO2	**0.2.3**	0	5	%	8/11/23	0	1.6	0	1.5	271486	P/S 3/31/23	3/23	3	2033	AF-0-F-0	X5000
B17 EGC H2S	**0.2.1**	0	50	PPM	8/11/23	0	37.7	0	40	273528	P/S 3/31/23	10/21	10	2026	21-0-F-0	X5000
B17 RASSCAL Rm 26 CO2	**0.4.6**	0	5	%	8/11/23	0	1.45	0	1.5	271486	P/S 3/31/23	3/23	3	2033	AF-0-F-0	X5000
B17 RASSCAL Rm 26 O2	**0.4.5**	0	25	%	8/11/23	0	20.8	0	20.8	250038	P/S 3/31/23	11/21	11	2026	16-0-F-0	X5000
B17 RASSCAL Rm 26 LEL	**0.4.4**	0	100	%LEL	8/11/23	0	29	0	29	271897	P/S 3/31/23	10/21	10	2026	61-0-F-0	X5000
B17 LIBS Rm 25 CO2	**0.4.3**	0	5	%	8/11/23	0	1.5	0	1.5	271486	P/S 3/31/23	3/23	3	2033	AF-0-F-0	X5000
B17 LIBS Rm 25 O2	**0.4.2**	0	25	%	8/11/23	0	20.8	0	20.8	250017	P/S 3/31/23	11/21	11	2026	16-0-F-0	X5000

All calibration gases are supplied by Portagas.

B-25 1 HAZGAS Calibrations
2023

Scheduled sensor replacement

Sensor replaced due to failure

Sensor Type and Location	Point Address	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B25_1 110-LEL	**1.10.1**	0	100	%LEL	8/17/23	0	30	0	29	265862	7/14/2023	10/21	10	2026	61-0-F-0	X5000
B25_1 110 O2	**1.10.2**	0	25	%	8/17/23	0	20.8	0	20.8	250038	7/14/2023	11/21	11	2026	16-0-F-0	X5000
B25_1 110-CO	**1.10.3**	0	500	PPM	8/17/23	0	300	0	300	280124	7/14/2023	7/21	7	2026	11-0-F-0	X5000
B25_1 108-LEL	**1.12.1**	0	100	%LEL	8/17/23	0	29	0	29	265862	7/14/2023	10/21	10	2026	61-0-F-0	X5000
B25_1 108-CO	**1.12.2**	0	500	PPM	8/17/23	0	291	0	300	280124	7/14/2023	7/21	7	2026	11-0-F-0	X5000
B25_1 SEM-106-CO	**1.14.1**	0	500	PPM	8/17/23	0	293	0	300	280124	7/14/2023	7/21	7	2026	11-0-F-0	X5000
B25_1 SEM-106-LEL	**1.14.2**	0	100	%LEL	8/17/23	0	29	0	29	265862	7/14/2023	10/21	10	2026	61-0-F-0	X5000
B25_1 106-O2	**1.14.3**	0	25	%	8/17/23	0	20.8	0	20.8	250038	7/14/2023	11/21	11	2026	16-0-F-0	X5000
B25_1 SLAB-111-CO	**1.16.1**	0	500	PPM	8/17/23	0	300	0	300	280124	7/14/2023	7/21	7	2026	11-0-F-0	X5000
B25_1 SLAB-111-LEL	**1.16.2**	0	100	%LEL	8/17/23	0	29	0	29	265862	7/14/2023	10/21	10	2026	61-0-F-0	X5000
B25_1 WLAB-112-CO	**1.18.1**	0	500	PPM	8/17/23	0	289	0	300	280124	7/14/2023	7/21	7	2026	11-0-F-0	X5000
B25_1 CMAT-114-LEL	**1.20.1**	0	100	%LEL	8/17/23	0	31	0	29	265862	7/14/2023	10/21	10	2026	61-0-F-0	X5000
B25_1 CMAT-114-CO	**1.20.2**	0	500	PPM	8/17/23	0	294	0	300	280124	7/14/2023	7/21	7	2026	11-0-F-0	X5000
B25_1 ANLI-115-SO2	**1.22.1**	0	25	PPM	8/10/23	0	9.8	0	10	279748	8/10/2023	1/23	1	2028	50-0-F-0	X5000
B25_1 ANLI-115-H2S	**1.22.2**	0	50	PPM	8/17/23	0	39.7	0	40	273528	7/14/2023	10/21	10	2026	21-0-F-0	X5000
B25_1 ANLI-115-LEL	**1.22.3**	0	100	%LEL	8/17/23	0	29	0	29	265862	7/14/2023	10/21	10	2026	61-0-F-0	X5000
B25_1 ANLI-115-CO	**1.22.4**	0	500	PPM	8/17/23	0	293	0	300	280124	7/14/2023	7/21	7	2026	11-0-F-0	X5000
B25_1 115-NH3	**1.22.5**	0	50	PPM	8/17/23	0	22	0	25	267075	7/14/2023	11/21	11	2026	40-0-F-0	X5000
B25_1 101 LEL	**1.24.1**	0	100	%LEL	8/17/23	0	30	0	29	265862	7/14/2023	10/21	10	2026	61-0-F-0	X5000
B25_1 101-CO	**1.24.2**	0	500	PPM	8/17/23	0	296	0	300	280124	7/14/2023	7/21	7	2026	11-0-F-0	X5000
B25_1 MAG-101-O2	**1.24.3**	0	25	%	8/17/23	0	20.6	0	20.8	250038	7/14/2023	11/21	11	2026	16-0-F-0	X5000

All calibration gases are supplied by Portagas.

B-25 2 HAZGAS Calibrations
2023

Scheduled sensor replacement
Failed sensors

Sensor Type and Location	Point adddress	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B25_2 -204 LEL	**2.15.1**	0	100	%LEL	8/18/23	0	29	0	29	265862	07/27/23	10/21	10	2026	61-0-F-0	X5000
B25_2 -204 CO	**2.15.2**	0	500	PPM	8/18/23	0	293	0	300	280124	07/27/23	7/21	7	2026	11-0-F-0	X5000
B25_2 -210 LEL West	**2.7.1**	0	100	%LEL	8/18/23	0	30	0	29	265862	07/27/23	10/21	10	2026	61-0-F-0	X5000
B25_2 -210 CO West	**2.7.2**	0	500	PPM	8/18/23	5	291	0	300	280124	07/27/23	7/21	7	2026	11-0-F-0	X5000
B25_2 -210 NO	**2.7.3**	0	100	PPM	8/18/23	0	48.5	0	50	279969	07/27/23	10/21	10	2026	72-0-F-0	X5000
B25_2 210 O2	**2.7.4**	0	25	%	8/18/23	0	20.8	0	20.8	250038	07/27/23	11/21	11	2026	16-0-F-0	X5000
B25_2 210 CO East	**2.7.5**	0	500	PPM	8/18/23	0	297	0	300	280124	07/27/23	7/21	7	2026	11-0-F-0	X5000
B25_2--210 LEL East	**2.7.6**	0	100	%LEL	8/18/23	0	29	0	29	265862	07/27/23	10/21	10	2026	61-0-F-0	X5000
B25_2 211 CO2	**2.7.7**	0	2.00	%	8/18/23	0	1.5	0	1.5	271486	07/27/23	7/23	7	2033	AF-0-F-1	X5000
B25_2 201 SO2	**2.11.1**	0	25	PPM	8/10/23	0	11.3	0	10	279748	07/27/23	1/23	1	2028	50-0-F-0	X5000
B25_2 201 H2S	**2.11.2**	0	50	PPM	8/18/23	0	38.8	0	40	273528	07/27/23	10/21	10	2026	21-0-F-0	X5000
B25_2 201 NH3	**2.11.3**	0	50	PPM	8/18/23	0	24	0	25	267075	07/27/23	11/21	11	2026	40-0-F-0	X5000
B25_2 201 CO	**2.11.4**	0	500	PPM	8/18/23	0	295	0	300	280124	07/27/23	7/21	7	2026	11-0-F-0	X5000
B25_2 201 LEL	**2.11.5**	0	100	%LEL	8/18/23	0	30	0	29	265862	07/27/23	10/21	10	2026	61-0-F-0	X5000
B25_2 202 O2	**2.13.1**	0	25	%	8/18/23	0	20.8	0	20.8	250038	07/27/23	11/21	11	2026	16-0-F-0	X5000
B25_2 202 CO2	**2.13.2**	0	2	%	8/18/23	0	1.55	0	1.5	271486	07/27/23	7/23	7	2033	AF-0-F-1	X5000

All calibration gases are supplied by Portagas.

B-36 HAZGAS Calibrations
2023

Scheduled sensor replacement

Sensor replaced due to failure

Sensor Type and Location	Point Address (B36PXCC01-HG)	Low Alarm	High Alarm	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B36 CO 1st Bay South	0.2.4	35	200	0	500	PPM	8/14/23	0	304	0	300	280124	8/24/23	4/22	4	2027	11-0-F-0-0	UltimaX5000
B36 CO Hallway	0.2.3	35	200	0	500	PPM	8/14/23	0	303	0	300	280124	8/24/23	4/22	4	2027	11-0-F-0-0	UltimaX5000
B36 CO 3rd Bay North	0.2.2	35	200	0	500	PPM	8/14/23	0	304	0	300	280124	8/24/23	4/22	4	2027	11-0-F-0-0	UltimaX5000
B36 CO Lunchroom	0.2.1	35	200	0	500	PPM	8/14/23	0	305	0	300	280124	8/24/23	4/22	4	2027	11-0-F-0-0	UltimaX5000

All calibration gases are supplied by Portagas.

B-39 HAZGAS Calibrations
2023

Scheduled sensor replacement
Sensor replaced due to failure

Sensor Type and Location	BAS Address	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
B39 Penthouse Boilers CO	08.00.00.	0	500	PPM	8/9/23	0	300	0	300	280124	P/S 8/30/22	6/22	6	2024	A-ULTX-SENS-1210	UltimaX
B39 Penthouse Boilers LEL	08.00.00.	0	100	%LEL	8/9/23	0	24	0	25	271897	P/S 8/30/22	12/20	12	2023	A-ULTX-SENS-3110	UltimaX
B39 Generator O2	12.00.00.20	0	25	%	8/23/23	0	20.8	0	20.8	250038	P/S 8/30/22	8/23	8	2025	A-ULTX-SENS-1410	UltimaX
B39 Generator CO	12.00.00.19	0	500	PPM	8/9/23	0	298	0	300	280124	P/S 3/15/23	2/23	2	2025	A-ULTX-SENS-1210	UltimaX
B39 Generator LEL High (2)	12.00.00.23	0	100	%LEL	8/9/23	0	39	0	40	271897	P/S 8/30/22	11/21	11	2024	A-ULTX-SENS-3210	UltimaX
B39 Chillgard Refrigerant Monitor		0	100	PPM	8/9/23	0	78	0	82	250184	P/S/I 08/30/22	NA	NA	NA	NA	Chillgard RT

All calibration gases are supplied by Portagas.

NGC HAZGAS Calibrations
2023

Sensor Type and Location	Address Prefix	Address Suffix	Zero	Full Scale	EGU	Cal Date	Zero As Found	Span As Found	Zero As Left	Span As Left	Gas	Alarm Test	Sensor Date	Sensor Due Month	Sensor Due Year	Sensor Part #	Unit Type
LEL NG CMPRESR (DI only)			0	100	%LEL	8/21/23	0	29	0	29	271897	5/18/23	10/21	10	2026	61-0-F-0	X5000

All calibration gases are supplied by Portagas.

New sensors installed																
Sensor Type and Location	**Point Address**	**Zero**	**Full Scale**	**EGU**	**Cal Date**	**Zero As Found**	**Span As Found**	**Zero As Left**	**Span As Left**	**Gas**	**Alarm Test**	**Sensor Date**	**Sensor Due Month**	**Sensor Due Year**	**Sensor Part #**	**Unit Type**
B03 SOFCEL 3 AIT-5005 TS1 LEL	N/A	0	100	%LEL	8/15/23	0	29	0	29	271897	12/15/2022	10/21	10	2026	61-0-F-0-0	X5000
B03 SOFCEL AIT-3005 TS2 LEL (Hood)	N/A	0	100	%LEL	8/15/23	0	30	0	29	271897	12/15/2022	10/21	10	2026	61-0-F-0-0	X5000
B04 H2 Delivery ASH-H460 LEL		0	100	%LEL		Monitor	Out	Of	Service			7/21	7	2026	A-ULTX-SENS-3110	UltimaX
B04 HYPER AT-001 CO	N/A	0	500	PPM	8/21/23	0	300	0	300	280124	4/25/2023	7/21	7	2026	11-0-F-0-0	X5000
B04 HYPER AT-002 LEL	N/A	0	100	%LEL	8/21/23	0	29	0	29	271897	2/9/2023	7/21	7	2026	61-0-F-0-0	X5000
B04 ARIS EAST BAY-LEL	0.3.1	0	100	%LEL	8/21/23	0	28	0	29	271897	9/21/2021	4/21	4	2026	61-0-F-0-0	X5000
B06 H2 Delivery AE-H460 LEL	N/A	0	100	%LEL	8/21/23	0	29	0	29	271897		10/21	10	2026	61-0-F-0-0	X5000

All calibration gases are supplied by Portagas.