



August 5, 2025

Mr. Mason Meade
Kyrene Elementary School District No. 28
8700 S Kyrene Road
Tempe, AZ 85284

Re: Limited Indoor Air Quality Investigation
Kyrene Sierra Elementary School
1122 E. Liberty Lane
Phoenix, AZ 85048

Dominion Project Number: AZ1418.64

Dear Mr. Mason Meade,

Pursuant to your request, Dominion Environmental Consultants. (Dominion) conducted a limited indoor air quality (IAQ) investigation at the Kyrene Sierra Elementary School located at 1122 East Liberty Lane in Phoenix, Arizona on August 1st and 3rd to 5th, 2025.

BACKGROUND INFORMATION

According to the information provided, staff and parents had concerns regarding an unusual odor throughout the main building at Kyrene Sierra Elementary. Roofing projects, which began during the summer break, are currently being conducted throughout the main building by Progressive Roofing (Contractor) Dominion was instructed to perform an IAQ investigation inside Kyrene Sierra Elementary School as a precautionary measure due to the staff and parent concerns.

SCOPE OF WORK

In response to the complaint, Mr. Mason Meade requested Dominion to:

- Conduct a limited visual inspection of the easily accessible areas within the main building.
- Conduct real-time monitoring of indoor air quality parameters at client-directed locations throughout the building.
- Conduct real-time total volatile organic compound air monitoring at client-directed locations throughout the building.
- Provide recommendations (if necessary) based on the findings of the visual inspection, the results of the real-time monitoring of IAQ parameters, and the results of the real-time VOC sampling.

REAL-TIME TOTAL VOLATILE ORGANIC COMPOUND AIR MONITORING TECHNIQUES

Dominion conducted a screening of the building using a Photoionization detector (PID). A ppbRAE 3000 monitor equipped with a 10.6 eV UV lamp was used to screen for total Volatile Organic Compounds (tVOCs) in the building. As organic vapors pass by the lamp, they are photo-ionized and the ejected electrons are detected as a current. This current is then converted into parts per billion (ppb) reading. PID sensor with a standard 10.6 eV lamp is capable of detecting a broad range of organic vapors. However, the PID only provides a level of total VOCs and cannot determine individual chemicals. Furthermore, the PID cannot be used to determine if individuals have been exposed above any published exposure limit or determine if adverse health effects will occur as a result of the exposure.

AUGUST 1, 2025

VISUAL INSPECTION – August 1, 2025

Pursuant to your request, Dominion performed an initial visual inspection inside the accessible areas within the Kyrene Sierra Elementary School on August 1, 2025. The inspection revealed the following:

- A strong kerosene or tar-like smell was present during the initial investigation.
- All classrooms that were inspected appeared to be clean during the time of the inspection.

REAL-TIME TOTAL VOLATILE ORGANIC COMPOUND MONITORING – August 1, 2025

According to the U.S. Green Building Council, tVOC levels should ideally be below 500 parts per billion (ppb). Studies have indicated that health complaints in buildings typically begin when the VOC levels inside of the building exceed 3,000 ppb.

Based on these guidelines, the tVOC readings obtained from the ambient indoor air ranged from 813 to 11,154 ppb and exceeded the recommended levels. (see “Exhibit –Photoionization Detector Data- August 1, 2025”).

RECCOMENDATIONS – August 1, 2025

Based on the strong odor within the building and results of the real-time volatile organic compound air monitoring, Dominion recommended that any roofing penetrations be sealed, and the building be aired out over the next 48-hours and reinspected to determine progress.

AUGUST 3, 2025

VISUAL INSPECTION – August 3, 2025

On August 3, 2025, Dominion returned to Kyrene Sierra Elementary School to conduct the follow-up inspection and sampling. The inspection revealed the following:

- The Contractor had placed HEPA Air Scrubbers throughout areas within the main building, and the odor was still present during the follow-up inspection.

REAL-TIME TOTAL VOLATILE ORGANIC COMPOUND MONITORING – August 3, 2025

The tVOC readings obtained from the follow up inspection of ambient indoor air ranged from 1,891 to 14,939 ppb. (see “Exhibit –Photoionization Detector Data- August 3, 2025”).

RECCOMENDATIONS – August 3, 2025

Dominion recommended that the building be aired out with Industrial Air Mover fans over the next 24-hours and reinspected to determine progress. The sky lights and fresh air intake vents on the roof should be sealed to prevent roofing material odors from entering the building.

AUGUST 4, 2025

VISUAL INSPECTION – August 4, 2025

On August 4, 2025, Dominion returned to Kyrene Sierra Elementary School to conduct the follow-up inspection and sampling. The inspection revealed the following:

- All fresh air intake vents and sky lights are sealed on the roof.
- The Contractor had placed Industrial Air Mover fans and ventilation tubing near the east, north, and south sides doors to flush out the air inside the building, and the odor was significantly reduced during the follow-up inspection.

REAL-TIME TOTAL VOLATILE ORGANIC COMPOUND MONITORING – August 4, 2025

The tVOC readings obtained from the follow up inspection of ambient indoor air ranged from 418 to 8,642 ppb. (see “Exhibit –Photoionization Detector Data- August 4, 2025”).

RECCOMENDATIONS – August 4, 2025

Dominion recommended that the building be aired out with Industrial Air Mover fans over the next 24-hours and reinspected to determine progress.

ADDITIONAL SAMPLING – August 4, 2025

One (1) IAQ Commercial Predict Survey Air sample was collected from the classroom with the highest tVOCs readings. The Commercial Predict Survey Air sample is a comprehensive air test that can determine the extent of unwanted chemicals, and it also predicts the sources of these chemicals. The results of the analysis should be available by Thursday, August 7, 2025.

AUGUST 5, 2025

VISUAL INSPECTION – August 5, 2025

On August 5, 2025, Dominion returned to Kyrene Sierra Elementary School to conduct the follow-up inspection and sampling. The inspection revealed the following:

- The odor was again significantly reduced from the previous inspections.
- In parts of the building Dominion detected a strong odor above the ceiling grid.

REAL-TIME TOTAL VOLATILE ORGANIC COMPOUND MONITORING – August 5, 2025

The tVOC readings obtained from the follow up inspection of ambient indoor air ranged from 294 to 6,773 ppb inside the classrooms and common areas. A single reading of 14,170 ppb was detected in space above the ceiling grid. (see “Exhibit –Photoionization Detector Data- August 5, 2025”).

RECCOMENDATIONS – August 5, 2025

Dominion recommends that the ceiling tiles in the areas of higher levels of VOCs be removed and that the area be aired out again with Industrial Air Mover fans over an additional 24-hours and reinspected to determine progress. Air movers fitted with carbon filters can speed the process of removing the VOCs from inside of the building.

LIMITATIONS

The conclusions and results contained herein are based solely on the information presented in this report. Dominion did not oversee any work performed by a Contractor or provide detailed remediation protocols. The Contractor is responsible for his own work and compliance with all regulatory guidelines. The limited sampling, testing, and observations described in the report represent conditions only at specified times and locations. Additional information or contamination which was hidden, undiscovered, inaccessible, or is not a part of the finding presented herein, would result in the modification of the conclusions and recommendations made herein. The limited sampling methods, techniques, and scope of services were not comprehensive or to be considered all inclusive. Any remediation guidelines are minimum general guidelines, based solely on the findings presented herein. They are presented as a courtesy and are not to be considered a complete or detailed set of specifications. If the Contractor requires a detailed or specific guideline or specification, the Client should engage the Consultant to prepare the appropriate document. Dominion performed its investigation in a specific area, as directed by the client.

Dominion's scope of service for this report did not include the inspection for, or identification of, asbestos materials, lead paint, or any other hazardous or controlled substances not specifically identified herein.

Dominion is not responsible for the accuracy of information, or any services provided by others, or for conditions or consequences arising from relevant facts that were withheld, concealed, undiscovered, or not fully disclosed. Dominion is not a law firm and therefore makes no representations regarding any potential liability of any person or entity for site conditions. Further, Dominion is not qualified to present medical advice. If any present or future health issues are in question, it is recommended that the findings in this report be presented to a qualified medical professional for evaluation.

If you should have any questions, need further sampling, or would like to discuss the contents of this report, please do not hesitate to contact Dominion at any time.

Sincerely,

Dominion Environmental Consultants,



Xin (Sahen) Lou, MPH, CIH, CSP
Project Manager

Enclosures:

Exhibit 1 – Photoionization Detector Data

EXHIBIT 1

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25/08/01 18:02

Summary

Unit Name ppbRAE 3000(PGM-7340)
Unit SN 594-906727
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00000
User ID USER0000

Begin 8/1/2025 18:02:06
End 8/1/2025 19:19:34
Sample Period(s) 60
Number of Records 77

Sensor PID(ppb)
Sensor SN S023030124S6
Measure Type Min; Avg; Max; Real
Span 100000
Span 2 1000000
Low Alarm 10000
High Alarm 25000
Over Alarm 10000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 4/14/2025 14:31
Peak 11154
Min 7
Average 3227

Datalog

Index	PID(ppb)		PID(ppb)		PID(ppb)	
	Date/Time	(Min)	(Avg)	(Max)	(Real)	
001	8/1/2025 18:03:06	0	1490	3428	3200	
002	8/1/2025 18:04:06	3254	4739	6864	6434	
003	8/1/2025 18:05:06	5830	6455	7219	6864	
004	8/1/2025 18:06:06	6440	6950	7762	6640	
005	8/1/2025 18:07:06	5986	6829	7574	5986	
006	8/1/2025 18:08:06	3209	3924	5916	3211	
007	8/1/2025 18:09:06	3103	3286	3462	3304	
008	8/1/2025 18:10:06	3192	4057	4642	4642	
009	8/1/2025 18:11:06	4026	4629	5829	5829	
010	8/1/2025 18:12:06	5917	6633	7439	6865	
011	8/1/2025 18:13:06	3701	5373	7245	4165	
012	8/1/2025 18:14:06	3882	4167	4691	3882	
013	8/1/2025 18:15:06	3825	3925	4406	4406	
014	8/1/2025 18:16:06	4266	4538	4649	4599	

015	8/1/2025 18:17:06	4376	4564	6283	6283
016	8/1/2025 18:18:06	7171	8694	11154	11154
017	8/1/2025 18:19:06	9331	10192	11201	10501
018	8/1/2025 18:20:06	9847	10205	10661	9974
019	8/1/2025 18:21:06	7856	9125	10327	8730
020	8/1/2025 18:22:06	4185	5317	9422	4251
021	8/1/2025 18:23:06	4069	4194	4320	4181
022	8/1/2025 18:24:06	3307	3816	4202	3426
023	8/1/2025 18:25:06	3338	3466	3536	3389
024	8/1/2025 18:26:06	2975	3038	3329	3024
025	8/1/2025 18:27:06	2917	3335	4346	4346
026	8/1/2025 18:28:06	4576	4946	5093	5062
027	8/1/2025 18:29:06	4997	5782	6019	5998
028	8/1/2025 18:30:06	5992	6047	6148	5996
029	8/1/2025 18:31:06	2243	3298	5845	2334
030	8/1/2025 18:32:06	2141	2209	2333	2224
031	8/1/2025 18:33:06	1405	1896	2301	1406
032	8/1/2025 18:34:06	1379	1393	1411	1387
033	8/1/2025 18:35:06	1267	1316	1388	1276
034	8/1/2025 18:36:06	1234	1259	1277	1234
035	8/1/2025 18:37:06	1226	1232	1240	1228
036	8/1/2025 18:38:06	1220	1227	1235	1226
037	8/1/2025 18:39:06	1202	1212	1230	1208
038	8/1/2025 18:40:06	1192	1207	1218	1206
039	8/1/2025 18:41:06	1196	1209	1227	1196
040	8/1/2025 18:42:06	1208	3014	4136	3415
041	8/1/2025 18:43:06	3242	3582	3797	3797
042	8/1/2025 18:44:06	3673	3777	3859	3836
043	8/1/2025 18:45:06	1352	2297	3870	1729
044	8/1/2025 18:46:06	1664	1701	1733	1683
045	8/1/2025 18:47:06	1605	1666	1687	1663
046	8/1/2025 18:48:06	886	1420	1662	886
047	8/1/2025 18:49:06	874	2150	3530	1008
048	8/1/2025 18:50:06	973	1085	1128	1123
049	8/1/2025 18:51:06	1067	1270	2006	2006
050	8/1/2025 18:52:06	2003	2057	2112	2112
051	8/1/2025 18:53:06	879	1951	2875	879
052	8/1/2025 18:54:06	834	852	879	845
053	8/1/2025 18:55:06	809	839	870	840
054	8/1/2025 18:56:06	813	844	866	813
055	8/1/2025 18:57:06	818	840	859	840
056	8/1/2025 18:58:06	810	837	936	936
057	8/1/2025 18:59:06	1099	2254	2911	2906
058	8/1/2025 19:00:06	2545	2905	3014	2608
059	8/1/2025 19:01:06	2630	4538	5372	5152
060	8/1/2025 19:02:06	587	4613	5351	4693
061	8/1/2025 19:03:06	4321	5274	15684	4346
062	8/1/2025 19:04:06	3720	37957	58426	3720
063	8/1/2025 19:05:06	1720	1968	3056	1720
064	8/1/2025 19:06:06	1691	2458	4690	1702
065	8/1/2025 19:07:06	1653	2045	5261	5261
066	8/1/2025 19:08:06	5339	5863	6110	6104
067	8/1/2025 19:09:06	4515	5275	6181	5085
068	8/1/2025 19:10:06	16	766	5085	33
069	8/1/2025 19:11:06	5	1525	4211	2762
070	8/1/2025 19:12:06	61	2492	7389	63
071	8/1/2025 19:13:06	41	118	339	94

072	8/1/2025 19:14:06	58	235	966	966
073	8/1/2025 19:15:06	85	857	2135	379
074	8/1/2025 19:16:06	18	276	1159	27
075	8/1/2025 19:17:06	0	80	307	84
076	8/1/2025 19:18:06	0	108	478	7
077	8/1/2025 19:19:06	4	81	327	63
Peak	9847	37957	58426	11154	
Min	0	80	307	7	
Average	2609	3624	4846	3227	

TWA/STEL

Index	Date/Time	PID(ppb) (TWA)	PID(ppb) (STEL)
001	8/1/2025 18:03:06	7	---
002	8/1/2025 18:04:06	20	---
003	8/1/2025 18:05:06	34	---
004	8/1/2025 18:06:06	48	---
005	8/1/2025 18:07:06	61	---
006	8/1/2025 18:08:06	67	---
007	8/1/2025 18:09:06	74	---
008	8/1/2025 18:10:06	84	---
009	8/1/2025 18:11:06	96	---
010	8/1/2025 18:12:06	110	---
011	8/1/2025 18:13:06	119	---
012	8/1/2025 18:14:06	127	---
013	8/1/2025 18:15:06	136	---
014	8/1/2025 18:16:06	146	---
015	8/1/2025 18:17:06	159	5087
016	8/1/2025 18:18:06	182	5831
017	8/1/2025 18:19:06	204	6318
018	8/1/2025 18:20:06	225	6554
019	8/1/2025 18:21:06	243	6678
020	8/1/2025 18:22:06	252	6519
021	8/1/2025 18:23:06	261	6398
022	8/1/2025 18:24:06	268	6413
023	8/1/2025 18:25:06	275	6418
024	8/1/2025 18:26:06	281	6311
025	8/1/2025 18:27:06	290	6212
026	8/1/2025 18:28:06	301	6092
027	8/1/2025 18:29:06	313	6214
028	8/1/2025 18:30:06	326	6355
029	8/1/2025 18:31:06	331	6217
030	8/1/2025 18:32:06	335	6058
031	8/1/2025 18:33:06	338	5733
032	8/1/2025 18:34:06	341	5082
033	8/1/2025 18:35:06	344	4467
034	8/1/2025 18:36:06	346	3884
035	8/1/2025 18:37:06	349	3384
036	8/1/2025 18:38:06	351	3182
037	8/1/2025 18:39:06	354	2984
038	8/1/2025 18:40:06	356	2836
039	8/1/2025 18:41:06	359	2690
040	8/1/2025 18:42:06	366	2716
041	8/1/2025 18:43:06	374	2680
042	8/1/2025 18:44:06	382	2598
043	8/1/2025 18:45:06	386	2313

044	8/1/2025 18:46:06	389	2026
045	8/1/2025 18:47:06	392	1981
046	8/1/2025 18:48:06	394	1892
047	8/1/2025 18:49:06	396	1865
048	8/1/2025 18:50:06	399	1848
049	8/1/2025 18:51:06	403	1896
050	8/1/2025 18:52:06	407	1955
051	8/1/2025 18:53:06	409	1932
052	8/1/2025 18:54:06	411	1906
053	8/1/2025 18:55:06	413	1882
054	8/1/2025 18:56:06	414	1855
055	8/1/2025 18:57:06	416	1832
056	8/1/2025 18:58:06	418	1666
057	8/1/2025 18:59:06	424	1607
058	8/1/2025 19:00:06	430	1525
059	8/1/2025 19:01:06	440	1753
060	8/1/2025 19:02:06	450	1954
061	8/1/2025 19:03:06	459	2133
062	8/1/2025 19:04:06	467	2322
063	8/1/2025 19:05:06	470	2369
064	8/1/2025 19:06:06	474	2408
065	8/1/2025 19:07:06	485	2625
066	8/1/2025 19:08:06	498	2891
067	8/1/2025 19:09:06	508	3171
068	8/1/2025 19:10:06	508	3117
069	8/1/2025 19:11:06	514	3245
070	8/1/2025 19:12:06	514	3195
071	8/1/2025 19:13:06	514	3146
072	8/1/2025 19:14:06	516	3148
073	8/1/2025 19:15:06	517	2979
074	8/1/2025 19:16:06	517	2807
075	8/1/2025 19:17:06	517	2469
076	8/1/2025 19:18:06	517	2157
077	8/1/2025 19:19:06	518	1871

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25/08/03 13:14

Summary

Unit Name ppbRAE 3000(PGM-7340)

Unit SN 594-906727

Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID USER0000

Begin 8/3/2025 13:14:36

End 8/3/2025 13:59:53

Sample Period(s) 60

Number of Records 45

Sensor PID(ppb)

Sensor SN S023030124S6
Measure Type Min; Avg; Max; Real
Span 100000
Span 2 1000000
Low Alarm 10000
High Alarm 25000
Over Alarm 10000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 4/14/2025 14:31
Peak 14939
Min 65
Average 6016

Datalog

Index	PID(ppb) Date/Time	PID(ppb) (Min)	PID(ppb) (Avg)	PID(ppb) (Max)	PID(ppb) (Real)
001	8/3/2025 13:15:36	0	3848	5580	5572
002	8/3/2025 13:16:36	5529	5598	5708	5578
003	8/3/2025 13:17:36	5425	5583	5715	5658
004	8/3/2025 13:18:36	5641	5658	5676	5645
005	8/3/2025 13:19:36	5234	5670	7205	7205
006	8/3/2025 13:20:36	6069	10321	13963	12451
007	8/3/2025 13:21:36	4824	5441	10870	4832
008	8/3/2025 13:22:36	4730	4778	4825	4794
009	8/3/2025 13:23:36	4755	4799	4843	4755
010	8/3/2025 13:24:36	4742	5276	6652	5101
011	8/3/2025 13:25:36	5046	5591	6292	5969
012	8/3/2025 13:26:36	4596	5803	5998	4596
013	8/3/2025 13:27:36	3776	5157	5981	3845
014	8/3/2025 13:28:36	1845	2454	3854	1891
015	8/3/2025 13:29:36	1796	4305	6599	6116
016	8/3/2025 13:30:36	2498	4984	6327	4623
017	8/3/2025 13:31:36	4832	5777	6892	6709
018	8/3/2025 13:32:36	5257	5907	6627	6123
019	8/3/2025 13:33:36	5775	6474	7244	5839
020	8/3/2025 13:34:36	4270	5275	6953	4632
021	8/3/2025 13:35:36	4009	4907	6836	6836
022	8/3/2025 13:36:36	2221	3015	6833	3368
023	8/3/2025 13:37:36	2574	3021	3479	2877
024	8/3/2025 13:38:36	2751	4364	5660	4673
025	8/3/2025 13:39:36	4265	4689	5132	4271
026	8/3/2025 13:40:36	4127	4272	4575	4213
027	8/3/2025 13:41:36	3957	4053	4224	4077
028	8/3/2025 13:42:36	3948	4199	4876	4496
029	8/3/2025 13:43:36	4607	4841	5098	4767
030	8/3/2025 13:44:36	4350	4726	4901	4856
031	8/3/2025 13:45:36	4370	4659	4892	4837
032	8/3/2025 13:46:36	3268	4305	5483	3294
033	8/3/2025 13:47:36	3235	4219	6149	5068
034	8/3/2025 13:48:36	65	1009	5056	65
035	8/3/2025 13:49:36	46	3337	13981	13981
036	8/3/2025 13:50:36	13745	14261	14776	14513
037	8/3/2025 13:51:36	14386	17443	33741	14664
038	8/3/2025 13:52:36	14665	14790	14944	14939

039	8/3/2025 13:53:36	14600	14753	15045	14784
040	8/3/2025 13:54:36	6724	9999	14863	6724
041	8/3/2025 13:55:36	5142	5524	6802	5318
042	8/3/2025 13:56:36	5192	5419	5658	5222
043	8/3/2025 13:57:36	5212	5295	5431	5321
044	8/3/2025 13:58:36	5223	5490	5692	5462
045	8/3/2025 13:59:36	129	2296	5452	146
Peak		14665	17443	33741	14939
Min		0	1009	3479	65
Average		4877	5857	7631	6016

TWA/STEL

Index	Date/Time	PID(ppb) (TWA)	PID(ppb) (STEL)
001	8/3/2025 13:15:36	12	---
002	8/3/2025 13:16:36	23	---
003	8/3/2025 13:17:36	35	---
004	8/3/2025 13:18:36	47	---
005	8/3/2025 13:19:36	62	---
006	8/3/2025 13:20:36	88	---
007	8/3/2025 13:21:36	98	---
008	8/3/2025 13:22:36	108	---
009	8/3/2025 13:23:36	118	---
010	8/3/2025 13:24:36	128	---
011	8/3/2025 13:25:36	141	---
012	8/3/2025 13:26:36	150	---
013	8/3/2025 13:27:36	158	---
014	8/3/2025 13:28:36	162	---
015	8/3/2025 13:29:36	175	5601
016	8/3/2025 13:30:36	185	5909
017	8/3/2025 13:31:36	199	5985
018	8/3/2025 13:32:36	211	6021
019	8/3/2025 13:33:36	224	6033
020	8/3/2025 13:34:36	233	5965
021	8/3/2025 13:35:36	247	5941
022	8/3/2025 13:36:36	254	5335
023	8/3/2025 13:37:36	260	5205
024	8/3/2025 13:38:36	270	5197
025	8/3/2025 13:39:36	279	5165
026	8/3/2025 13:40:36	288	5105
027	8/3/2025 13:41:36	296	4979
028	8/3/2025 13:42:36	306	4973
029	8/3/2025 13:43:36	316	5034
030	8/3/2025 13:44:36	326	5232
031	8/3/2025 13:45:36	336	5146
032	8/3/2025 13:46:36	343	5058
033	8/3/2025 13:47:36	353	4948
034	8/3/2025 13:48:36	353	4545
035	8/3/2025 13:49:36	383	5087
036	8/3/2025 13:50:36	413	5746
037	8/3/2025 13:51:36	443	6268
038	8/3/2025 13:52:36	474	7039
039	8/3/2025 13:53:36	505	7833
040	8/3/2025 13:54:36	519	7970
041	8/3/2025 13:55:36	530	8040
042	8/3/2025 13:56:36	541	8107

043 8/3/2025 13:57:36 552 8190
044 8/3/2025 13:58:36 564 8254
045 8/3/2025 13:59:36 564 7946

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25/08/03 14:00

Summary

Unit Name ppbRAE 3000(PGM-7340)
Unit SN 594-906727
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00000
User ID USER0000

Begin8/3/2025 14:00:52
End 8/3/2025 14:03:02
Sample Period(s) 60
Number of Records 2

Sensor PID(ppb)
Sensor SN S023030124S6
Measure Type Min; Avg; Max; Real
Span 100000
Span 2 1000000
Low Alarm 10000
High Alarm 25000
Over Alarm10000000
STEL Alarm 25000
TWA Alarm10000
Measurement Gas Isobutylene
Calibration Time 4/14/2025 14:31
Peak 79
Min 38
Average 59

Datalog

	PID(ppb)	PID(ppb)	PID(ppb)	PID(ppb)
Index	Date/Time	(Min)	(Avg)	(Max)
001	8/3/2025 14:01:52	41	99	156
002	8/3/2025 14:02:52	38	57	79
Peak	41	99	156	79
Min	38	57	79	38
Average	40	78	118	59

TWA/STEL

	PID(ppb)	PID(ppb)
Index	Date/Time	(TWA)
001	8/3/2025 14:01:52	0
002	8/3/2025 14:02:52	0

(STEL)

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25/08/04 16:26

Summary

Unit Name ppbRAE 3000(PGM-7340)
Unit SN 594-906727
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00000
User ID USER0000

Begin 8/4/2025 16:26:31
End 8/4/2025 17:27:22
Sample Period(s) 60
Number of Records 60

Sensor PID(ppb)
Sensor SN S023030124S6
Measure Type Min; Avg; Max; Real
Span 100000
Span 2 1000000
Low Alarm 10000
High Alarm 25000
Over Alarm 10000000
STEL Alarm 25000
TWA Alarm 10000
Measurement Gas Isobutylene
Calibration Time 4/14/2025 14:31
Peak 8642
Min 418
Average 4077

Datalog

Index	PID(ppb) Date/Time	PID(ppb) (Min)	PID(ppb) (Avg)	PID(ppb) (Max)	PID(ppb) (Real)
001	8/4/2025 16:27:31	469	4043	8227	6741
002	8/4/2025 16:28:31	4857	8179	9421	6567
003	8/4/2025 16:29:31	5484	6310	8091	6251
004	8/4/2025 16:30:31	6229	7347	8245	7623
005	8/4/2025 16:31:31	6941	8371	8887	8642
006	8/4/2025 16:32:31	8004	8317	8566	8274
007	8/4/2025 16:33:31	7845	8136	8248	8109
008	8/4/2025 16:34:31	4751	6976	8331	7046
009	8/4/2025 16:35:31	3625	5691	7446	6698
010	8/4/2025 16:36:31	4633	6711	8651	5368
011	8/4/2025 16:37:31	4846	5552	8559	5770
012	8/4/2025 16:38:31	4265	5536	7331	5897
013	8/4/2025 16:39:31	2745	4666	6492	4250
014	8/4/2025 16:40:31	3297	4562	6303	6303
015	8/4/2025 16:41:31	5246	6490	7964	7239

016	8/4/2025 16:42:31	2239	4404	7899	2296
017	8/4/2025 16:43:31	1875	2495	2809	2701
018	8/4/2025 16:44:31	2256	2495	2810	2601
019	8/4/2025 16:45:31	2579	2878	4149	3939
020	8/4/2025 16:46:31	2976	3450	4054	4028
021	8/4/2025 16:47:31	1425	3350	5938	1789
022	8/4/2025 16:48:31	2057	3131	3870	2971
023	8/4/2025 16:49:31	1998	2450	2946	2167
024	8/4/2025 16:50:31	1803	2033	2553	2521
025	8/4/2025 16:51:31	2421	3225	4080	3504
026	8/4/2025 16:52:31	2632	3074	3705	3005
027	8/4/2025 16:53:31	642	2410	3152	697
028	8/4/2025 16:54:31	516	717	1782	1782
029	8/4/2025 16:55:31	1606	2042	2366	2011
030	8/4/2025 16:56:31	939	1498	2311	1025
031	8/4/2025 16:57:31	650	929	1087	650
032	8/4/2025 16:58:31	411	515	680	418
033	8/4/2025 16:59:31	374	433	485	422
034	8/4/2025 17:00:31	425	926	1412	445
035	8/4/2025 17:01:31	434	796	1186	928
036	8/4/2025 17:02:31	689	757	982	864
037	8/4/2025 17:03:31	635	788	878	635
038	8/4/2025 17:04:31	550	643	719	633
039	8/4/2025 17:05:31	451	550	1124	1124
040	8/4/2025 17:06:31	808	1020	1330	1279
041	8/4/2025 17:07:31	887	1241	1570	900
042	8/4/2025 17:08:31	881	1004	1160	1073
043	8/4/2025 17:09:31	880	1004	1165	928
044	8/4/2025 17:10:31	664	1454	3410	3410
045	8/4/2025 17:11:31	3892	5377	6670	5223
046	8/4/2025 17:12:31	5061	5691	7152	5061
047	8/4/2025 17:13:31	3650	4574	5295	4879
048	8/4/2025 17:14:31	3778	5252	7054	4305
049	8/4/2025 17:15:31	3849	5117	7718	7718
050	8/4/2025 17:16:31	5017	5895	7576	5370
051	8/4/2025 17:17:31	4548	6608	8636	7197
052	8/4/2025 17:18:31	4897	6122	7514	5152
053	8/4/2025 17:19:31	5252	6526	8148	8000
054	8/4/2025 17:20:31	4438	5967	8474	4959
055	8/4/2025 17:21:31	4587	5952	8059	5570
056	8/4/2025 17:22:31	4745	6409	7591	6881
057	8/4/2025 17:23:31	3999	5348	6831	5125
058	8/4/2025 17:24:31	4980	5485	6497	5261
059	8/4/2025 17:25:31	4892	5704	7041	6195
060	8/4/2025 17:26:31	4892	5704	7041	6195
Peak		8004	8371	9421	8642
Min		374	433	485	418
Average		3040	4006	5161	4077

TWA/STEL

Index	Date/Time (TWA)	PID(ppb)	PID(ppb)	(STEL)
001	8/4/2025 16:27:31	14	---	---
002	8/4/2025 16:28:31	28	---	---
003	8/4/2025 16:29:31	41	---	---
004	8/4/2025 16:30:31	57	---	---

005	8/4/2025 16:31:31	75	---
006	8/4/2025 16:32:31	92	---
007	8/4/2025 16:33:31	109	---
008	8/4/2025 16:34:31	123	---
009	8/4/2025 16:35:31	137	---
010	8/4/2025 16:36:31	149	---
011	8/4/2025 16:37:31	161	---
012	8/4/2025 16:38:31	173	---
013	8/4/2025 16:39:31	182	---
014	8/4/2025 16:40:31	195	---
015	8/4/2025 16:41:31	210	6719
016	8/4/2025 16:42:31	215	6872
017	8/4/2025 16:43:31	220	6602
018	8/4/2025 16:44:31	226	6338
019	8/4/2025 16:45:31	234	6184
020	8/4/2025 16:46:31	242	5944
021	8/4/2025 16:47:31	246	5487
022	8/4/2025 16:48:31	252	5134
023	8/4/2025 16:49:31	257	4738
024	8/4/2025 16:50:31	262	4436
025	8/4/2025 16:51:31	269	4223
026	8/4/2025 16:52:31	276	4065
027	8/4/2025 16:53:31	277	3727
028	8/4/2025 16:54:31	281	3453
029	8/4/2025 16:55:31	285	3304
030	8/4/2025 16:56:31	287	2952
031	8/4/2025 16:57:31	288	2512
032	8/4/2025 16:58:31	289	2387
033	8/4/2025 16:59:31	290	2235
034	8/4/2025 17:00:31	291	2092
035	8/4/2025 17:01:31	293	1891
036	8/4/2025 17:02:31	295	1680
037	8/4/2025 17:03:31	296	1603
038	8/4/2025 17:04:31	298	1447
039	8/4/2025 17:05:31	300	1378
040	8/4/2025 17:06:31	303	1295
041	8/4/2025 17:07:31	304	1121
042	8/4/2025 17:08:31	307	992
043	8/4/2025 17:09:31	309	1008
044	8/4/2025 17:10:31	316	1116
045	8/4/2025 17:11:31	327	1330
046	8/4/2025 17:12:31	337	1600
047	8/4/2025 17:13:31	347	1881
048	8/4/2025 17:14:31	356	2141
049	8/4/2025 17:15:31	372	2627
050	8/4/2025 17:16:31	384	2955
051	8/4/2025 17:17:31	398	3373
052	8/4/2025 17:18:31	409	3659
053	8/4/2025 17:19:31	426	4150
054	8/4/2025 17:20:31	436	4439
055	8/4/2025 17:21:31	448	4735
056	8/4/2025 17:22:31	462	5108
057	8/4/2025 17:23:31	473	5390
058	8/4/2025 17:24:31	484	5669
059	8/4/2025 17:25:31	497	6020
060	8/4/2025 17:26:31	510	6206
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Summary

Unit Name ppbRAE 3000(PGM-7340)
Unit SN 594-906727
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00000
User ID USER0000

Begin8/5/2025 13:25:23
End 8/5/2025 14:13:49
Sample Period(s) 60
Number of Records 48

Sensor PID(ppb)
Sensor SN S023030124S6
Measure Type Min; Avg; Max; Real
Span 100000
Span 2 1000000
Low Alarm 10000
High Alarm 25000
Over Alarm10000000
STEL Alarm 25000
TWA Alarm10000
Measurement Gas Isobutylene
Calibration Time 4/14/2025 14:31
Peak 14170
Min 294
Average 3092

Datalog

Index	PID(ppb) Date/Time	PID(ppb) (Min)	PID(ppb) (Avg)	PID(ppb) (Max)	PID(ppb) (Real)
001	8/5/2025 13:26:23	52	1779	3931	3769
002	8/5/2025 13:27:23	3850	4499	5341	5309
003	8/5/2025 13:28:23	4269	5967	14170	14170
004	8/5/2025 13:29:23	3718	8755	16045	4674
005	8/5/2025 13:30:23	2800	3476	4776	3205
006	8/5/2025 13:31:23	3237	4172	6140	5938
007	8/5/2025 13:32:23	5774	6013	6208	5774
008	8/5/2025 13:33:23	4829	5327	5762	5081
009	8/5/2025 13:34:23	4856	5000	5206	5029
010	8/5/2025 13:35:23	4957	5244	5343	5248
011	8/5/2025 13:36:23	1946	3902	5379	3164
012	8/5/2025 13:37:23	3166	3342	3405	3402
013	8/5/2025 13:38:23	3339	4180	6468	3480
014	8/5/2025 13:39:23	3396	3502	3631	3467
015	8/5/2025 13:40:23	3448	3470	3496	3464
016	8/5/2025 13:41:23	3435	3446	3465	3438

017	8/5/2025 13:42:23	2159	2939	3450	2474
018	8/5/2025 13:43:23	2012	2498	2991	2064
019	8/5/2025 13:44:23	600	1355	2081	1084
020	8/5/2025 13:45:23	634	1045	1332	1054
021	8/5/2025 13:46:23	1064	2034	2729	1943
022	8/5/2025 13:47:23	1996	2422	2607	2569
023	8/5/2025 13:48:23	511	2166	2890	2038
024	8/5/2025 13:49:23	258	771	2351	294
025	8/5/2025 13:50:23	54	278	2458	2458
026	8/5/2025 13:51:23	1541	2588	3540	2611
027	8/5/2025 13:52:23	2393	2731	3240	3085
028	8/5/2025 13:53:23	2112	2539	3140	2112
029	8/5/2025 13:54:23	2019	2778	3168	3156
030	8/5/2025 13:55:23	3144	3305	4288	4288
031	8/5/2025 13:56:23	1506	2934	4336	2956
032	8/5/2025 13:57:23	317	927	3043	345
033	8/5/2025 13:58:23	349	2481	3562	3293
034	8/5/2025 13:59:23	3228	4293	6773	6773
035	8/5/2025 14:00:23	3521	3705	6466	3582
036	8/5/2025 14:01:23	3530	3609	3677	3570
037	8/5/2025 14:02:23	3492	3829	4385	3894
038	8/5/2025 14:03:23	1577	3275	4602	1986
039	8/5/2025 14:04:23	1608	2243	2833	1999
040	8/5/2025 14:05:23	614	1088	1936	669
041	8/5/2025 14:06:23	627	917	1438	695
042	8/5/2025 14:07:23	628	1360	1692	1635
043	8/5/2025 14:08:23	1495	2399	4106	1704
044	8/5/2025 14:09:23	1047	1754	2186	1047
045	8/5/2025 14:10:23	902	992	1066	985
046	8/5/2025 14:11:23	891	964	1050	979
047	8/5/2025 14:12:23	887	977	1244	1232
048	8/5/2025 14:13:23	904	1246	1574	1221
Peak		5774	8755	16045	14170
Min		52	278	1050	294
Average		2181	2927	4063	3092

TWA/STEL

Index	Date/Time	PID(ppb)	PID(ppb)
		(TWA)	(STEL)
001	8/5/2025 13:26:23	8	---
002	8/5/2025 13:27:23	19	---
003	8/5/2025 13:28:23	48	---
004	8/5/2025 13:29:23	58	---
005	8/5/2025 13:30:23	65	---
006	8/5/2025 13:31:23	77	---
007	8/5/2025 13:32:23	89	---
008	8/5/2025 13:33:23	100	---
009	8/5/2025 13:34:23	110	---
010	8/5/2025 13:35:23	121	---
011	8/5/2025 13:36:23	128	---
012	8/5/2025 13:37:23	135	---
013	8/5/2025 13:38:23	142	---
014	8/5/2025 13:39:23	149	---
015	8/5/2025 13:40:23	157	5012
016	8/5/2025 13:41:23	164	5241
017	8/5/2025 13:42:23	169	5154

018	8/5/2025 13:43:23	173	4938
019	8/5/2025 13:44:23	175	4066
020	8/5/2025 13:45:23	178	3824
021	8/5/2025 13:46:23	182	3740
022	8/5/2025 13:47:23	187	3516
023	8/5/2025 13:48:23	191	3267
024	8/5/2025 13:49:23	192	2947
025	8/5/2025 13:50:23	197	2776
026	8/5/2025 13:51:23	203	2600
027	8/5/2025 13:52:23	209	2595
028	8/5/2025 13:53:23	213	2509
029	8/5/2025 13:54:23	220	2487
030	8/5/2025 13:55:23	229	2542
031	8/5/2025 13:56:23	235	2508
032	8/5/2025 13:57:23	236	2302
033	8/5/2025 13:58:23	243	2357
034	8/5/2025 13:59:23	257	2671
035	8/5/2025 14:00:23	264	2837
036	8/5/2025 14:01:23	272	3005
037	8/5/2025 14:02:23	280	3135
038	8/5/2025 14:03:23	284	3096
039	8/5/2025 14:04:23	288	3093
040	8/5/2025 14:05:23	289	3118
041	8/5/2025 14:06:23	291	3001
042	8/5/2025 14:07:23	294	2936
043	8/5/2025 14:08:23	298	2844
044	8/5/2025 14:09:23	300	2773
045	8/5/2025 14:10:23	302	2628
046	8/5/2025 14:11:23	304	2407
047	8/5/2025 14:12:23	307	2293
048	8/5/2025 14:13:23	309	2351