

本資料は 1985年 7月 30日付けで
登録区分変更する。

大洗工学センター管理部技術情報室

50MW 蒸気発生器試験施設における 水リーク検出システム評価試験 —第13報—

水リーク模擬試験データ集



1985年2月

動力炉・核燃料開発事業団
大洗工学センター

本資料の全部または一部を複写・複製・転載する場合は、下記にお問い合わせください。

〒319-1184 茨城県那珂郡東海村大字村松4番地49
核燃料サイクル開発機構
技術展開部 技術協力課

Inquiries about copyright and reproduction should be addressed to:
Technical Cooperation Section,
Technology Management Division,
Japan Nuclear Cycle Development Institute
4-49 Muramatsu, Tokai-mura, Naka-gun, Ibaraki, 319-1184
Japan

© 核燃料サイクル開発機構 (Japan Nuclear Cycle Development Institute)



50MW蒸気発生器試験施設における 水リーク検出システム評価試験 —第13報—

水リーク模擬試験データ集

錦見正和* 白土清一* 金子義久*
森本 誠* 今井 隆* 福田 達*

要 旨

50MW蒸気発生器試験施設において、水リーク検出システム評価試験を1974年12月以来実施している。

本データ集は、1978年5月から1983年11月までに実施された水リーク模擬試験（注水および注水素試験）における各検出計（水素計および酸素計）の応答図を整理し編集したものである。

なお、本データ（検出計応答）は、磁気テープに記録し保管されており、スケールあるいは平均化処理等の変更は、テープを用いて容易に出力できる。

* 大洗工学センター 高速炉機器開発部 システム設計開発室



Experiments on the Water Leak Detection System in the 50MW
Steam Generator Test Facility -13-

Data of Water Leak Simulation Tests

Masakazu Nishikimi*, Seiichi Shirato*, Yoshihisa Kaneko*,
Makoto Morimoto*, Hiroshi Imai* and Tohru Fukuda*

Abstract

Series of tests on the water leak detection system have been conducted in the 50MW Steam Generator Test Facility since December 1974. This report is data of water leak simulation tests (water or hydrogen injection tests) which were carried out until November 1983 since May 1978. These data (response of water leak detector) are recorded in magnetic tape and it is easy to change scale and so on.

* Systems Development Section, FBR System & Component
Division, O-arai Engineering Center, PNC

- 表1 注水試験条件一覧表
表2 ($\frac{1}{5} \sim \frac{5}{5}$) 注水素試験条件一覧表
表3 ($\frac{1}{6} \sim \frac{6}{6}$) 各水素計の校正式

- 図1-1~1-19 注水試験
図2-1~2-13 ダウンカメラ部注水素試験
図3-1~3-19 カバーガス部注水素試験
図4-1~4- アニュラス部注水素試験

※ 検出器応答図中右上のA, B, Cは, 磁気テープからのプロットアウト時の出力用校正式の変更
(あるいは, 平均化を示す。

A : 水素計校正式を, 校正試験により得た校正式としている。

B : 水素計指示値を平均化処理している。

(1データ/秒, 10と記載は, 10秒のデータを平均し, その間の中心時間でのデータ
としている。なお, この演算は1秒毎に行なわれる。)

C : 主循環ポンプ出口ナトリウム中水素計NaP-H_{Na}の指示を正とし, 他の水素計を再校正し
プロットアウトしている。

表1 注水試験条件一覧表

通し 番号	実施日 年月日	試験 No.	S G 運転		使用 ノズル 位置	温度条件			水素注入条件					Na H ₂ 濃度 (PPb)						カバーガス中H ₂ 濃度(VPPm)				M T No.	備考	
			S G 負荷 (%)	Na 流量 (T/H)		SH入口 (°C)	EV入口 (°C)	EV出口 (°C)	ノズル径 (mmφ)	注入時間 (sec)	全注水量 (g)	注水率 (g/sec)	等化率 注水素率 (g/sec)	初期値			静定値			初期値		静定値				
														EV-HNA	NAP-HNA	SH-HNA	EV-HNA	NAP-HNA	SH-HNA	EV-HAr	SH-HAr	EV-HAr	SH-HAr			
1	54. 2.15	W101	等温	810	ML	200	—	—	10	600	302	5.03×10 ⁻²	5.59×10 ⁻³	360	360	320	65	695	53	600	142	暴走	177	#2-2303	第 5 報	
2	54. 2.17	W102	等温	800	"	352	—	—	10	600	303	5.05×10 ⁻²	5.61×10 ⁻³	724	732	635	136	1625	116	2540	1270	上昇中 4000	1250	#2-2304		
3	54. 2.19	W103	等温	800	"	350	—	—	10	3600	173	4.81×10 ⁻³	5.34×10 ⁻⁴	1305	560	500	216	1065	88	930	700	2860	700	#2-2305		
4	54. 5.27	W104	等温	798	"	353	—	—	10	420	544	(1.3×10 ⁻¹)	1.44×10 ⁻²	367	308	—	90	94	—	36	516	232	52	#2-2306		
5	54. 5.29	W105	等温	795	"	300	—	—	10	600	297	4.95×10 ⁻²	5.5 × 10 ⁻³	352	296	—	1024	1016	—	20	52	730	56	#2-2307		
6	54. 6. 1	W106	等温	800	"	207	—	—	10	1800	93	5.17×10 ⁻³	5.74×10 ⁻⁴	448	330	—	イオン ポンプ シフト	456	—	130	80	566	99	#2-2308		
7	54. 5.31	W107	等温	400	"	203	—	—	10	1200	382	3.18×10 ⁻²	3.53×10 ⁻³	104	348	—	848	812	—	28	616	2856	64	#2-2309		
8	54. 6. 2	W108	等温	800	"	201	—	—	15	420	628	(1.5×10 ⁻¹)	1.67×10 ⁻²	444	320	—	852	796	—	112	114	3332	174	#2-2310		
9	54. 7. 9	W109	EV単体	800	"	405	405	324	15	420	62.1	1.48×10 ⁻¹	1.64×10 ⁻²	900	400	580	230	204	2260	112	438	380	438	#2-2311	第 5 報	
10	54.11. 3	W110	等温	800	"	351	—	—	15	480	490.4	1.02×10 ⁻¹	1.13×10 ⁻²	31	31	31	72	72	72	28	52	180	52	#2-2312		
11	54.11. 6	W110A	等温	800	"	360	—	—	15	480	482	1.0 × 10 ⁻¹	1.1 × 10 ⁻²	37	37	37	159	159	159	50	43	550	43	#2-2313		
12	54.11. 5	W111	等温	795	"	310	—	—	10	1800	989	5.49×10 ⁻³	6.1 × 10 ⁻⁴	30	30	30	43	43	43	55	25	175	25	#2-2314		
13	54.11. 8	W112	等温	800	"	188	—	—	10	1800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	#2-2315	注入装置不調
14	54.11. 7	W113	等温	800	"	203	—	—	10	900	106	1.18×10 ⁻²	1.31×10 ⁻³	34	34	34	425	425	415	46	12	—	12	#2-2316	試験途中 ノズル部閉塞	
15	54.11. 8	W113A	等温	800	"	190	—	—	10	840	90.56	1.08×10 ⁻²	1.2 × 10 ⁻³	29	29	29	40	40	40	84	15	—	15	#2-2315		
16	54.11.27	W114	EV	800	"	458	458	320	15	480	73.92	1.54×10 ⁻¹	1.71×10 ⁻²	40	40	40	233	233	233	48	23	48	23	#2-2317		
17	54.12.14	W115	EV+SH	425	"	482	456	308	15	480	57.44	1.2 × 10 ⁻¹	1.33×10 ⁻²	68	68	68	225	225	225	85	10	—	16	#2-1731 #2-1732		
18	56.10.22	W116	等温	802.6	"	198.9	—	—	15	308	15.4	—	—	—	—	—	—	—	—	—	—	—	—	#2-2117	注入装置不調	
19	56.10.23	W117	等温	378.2	"	351.9	—	—	15	1800	20.3	1.058×10 ⁻²	1.18×10 ⁻³	39	34.5	38	82	78	78	25	25	260	25	#2-2118		

ML : ミドルレグ部

表 2 (1/5) 注 水 素 試 験 条 件 一 覧 表

通 し 番 号	実 施 日 年 月 日	試 験 No.	S G 運 転		使 用 ノズル 位 置	温 度 条 件			水 素 注 入 条 件					Na H ₂ 濃 度 (PPb)						カバ-ガス中H ₂ 濃度 (VPPm)				M T No.	備 考
			S G 負 荷 (%)	Na 流 量 (T/H)		SH 入 口 (°C)	EV 入 口 (°C)	EV 出 口 (°C)	ノズル径 (mm φ)	注 入 時 間 (sec)	全 注 入 量 (g)	注 水 素 率 (g/sec)	等 価 水 リ-ク 率 (g/sec)	初 期 値			静 定 値			初 期 値		静 定 値 (ピーク値)			
														EV-HNA	NAP-HNA	SH-HNA	EV-HNA	NAP-HNA	SH-HNA	EV-HAr	SH-HAr	EV-HAr	SH-HAr		
1	53. 5.29	701	等 温	400	DC上	275	275	275	1.0	970	142	7.78×10 ⁻²	0.7	26	-	20	(6H後) 28.5	-	(6H後) 21	10	-	13800	-	MT ナシ	
2	53. 6.24	702	EV+SH	400	DC上	468	452	312	1.0	720	123	2.54×10 ⁻²	0.229	50	-	50	(6H後) 107	-	(6H後) 136	30	-	39500	-	ナシ	
3	53. 7. 8	703	EV+SH	400	DC上	465	452	306	1.0	1200	291	2.51×10 ⁻³	2.26×10 ⁻²	52	-	41	(6H後) 101	-	(5H後) 107	10	-	8400	-	ナシ	
4	53. 7.15	704	等 温	400	DC上	270	270	270	1.0	600	544	1.23×10 ⁻²	0.111	46	-	255	(6H後) 50	-	(6H後) 29	10	-	9450	-	#2-2318	
5	55.11.20	705	等 温	375	DC下	350	350	350	1.0	840	189	2.25×10 ⁻²	2.03×10 ⁻¹	36	33	34	65	53	46	50	9	7600	9	#2-1767	第 8 報
6	55.11.23	706	等 温	3704	DC下	265	265	265	1.0	1200	6	5.0 × 10 ⁻³	4.5 × 10 ⁻²	385	36	40	40	40	42	330	3	3900	3	#2-1773	第 8 報
7	55.12.13	707	EV 単 体	375	DC下	452	452	313	1.0	960	539	5.61×10 ⁻³	5.05×10 ⁻²	62	65	64	75	75	70	35	14	8200	14	#2-1825	第 8 報
8	56. 7.28	708	等 温	408.7	DC下	2718	2715	270.3	1.0	480	288	6 × 10 ⁻³	5.4 × 10 ⁻²	39	39	40	40	40	40	650	2	(最大) 45500	2	#2-2048	
9	58.11.19	709	EV	7988	DC下	469.1	469.3	316.0	1.0	900	2.272	2.52×10 ⁻³	2.27×10 ⁻²	620	710	600	100	110	980	45	2.3	(ピーク値) 2100	2.3	#2-3261	
10	58.11.18	710	EV	6039	DC下	469.2	469.5	303.6	1.0	4200	0.827	1.97×10 ⁻⁴	1.77×10 ⁻³	480	525	450	620	685	590	60	3.0	(ピーク値) 420	3.0	#2-3260	
11	58.11.12	711	EV	3995	DC下	468.7	469.0	296.9	1.0	90	2.0466	2.27×10 ⁻²	0.2043	540	590	500	900	960	860	8.0	4.9	(ピーク値) 3330	4.9	#2-3233	
12	58.11.11	712	EV	238.7	DC下	470.0	470.1	293.5	1.0	4200	0.827	1.97×10 ⁻⁴	1.77×10 ⁻³	580	620	510	720	780	650	10	5.4	(ピーク値) 520	5.4	#2-3230	
13	58.11.20	713	EV	397.4	DC下	469.9	470.0	301.7	1.0	900	2.265	2.52×10 ⁻³	2.27×10 ⁻²	800	900	800	1170	1300	1170	4.5	3.2	(ピーク値) 2535	3.2	#2-3262	

表2 (2/5) 注水素試験条件一覧表

通し 番号	実施日 年月日	試験 No.	S G 運転		使用 ノズル 位置	温度条件			水素注入条件					Na H ₂ 濃度 (PPb)						カバーガス中H ₂ 濃度 (VPPm)				MT No.	備考
			SG負荷 (%)	Na流量 (T/H)		SH入口 (°C)	EV入口 (°C)	EV入口 (°C)	ノズル径 (mm φ)	注入時間 (sec)	全注入量 (g)	注水素率 (g/sec)	等価水 リーク率 (g/sec)	初期値			静定値			初期値		静定値			
														EV-HNA	NAP-HNA	SH-HNA	EV-HNA	NAP-HNA	SH-HNA	EV-HAr	SH-HAr	EV-HAr	SH-HAr		
1	53. 5.30	802	等温	790	CG	200	200	200	127	100	288	-	-	46	-	30	-	30	466	-	(最大) 9396	-	ナシ		
2	53. 6. 1	803	等温	790	CG	354	354	354	"	180	149	-	-	59	-	49	68.5	-	60	2727	-	(最大) 10077	-	ナシ	
3	53. 7.10	804	EV+SH	400	CG	465	451	306	"	-	1926	-	-	625	-	48	62.5	-	488	1463	-	(最大) 16705	-	ナシ	
4	53. 7.11	805	EV+SH	400	CG	465	452	306	"	240	4394	-	-	660	-	60.3	67.8	-	63.2	1729	-	(最大) 50275	-	ナシ	
5	53. 7.17	806	等温	800	CG	200	200	200	"	3240	4.4	-	-	52.5	-	42.5	52.5	-	42.5	463	-	(最大) 939.3	-	ナシ	
6	54. 2.13	807	等温	400	CG	198	198	198	"	120	1.0	-	-	200	調整中	-	200	調整中	-	4630	-	(最大) 12490	-	#2-2319	
7	54. 2.14	808	等温	455	CG	197	197	197	"	120	1.03	-	-	463	調整中	-	463	調整中	-	5500	-	>33000	-	#2-2320	
8	54. 6. 3	809	等温	800	CG	201	201	201	"	125	0.75	-	-	460	-	-	460	-	-	1940	-	1600	-	#2-2321	
9	54. 6. 4	810	等温	800	CG	202	202	202	"	-	0.75	-	-	-	-	-	-	-	-	-	-	-	-	#2-2322	
10	54.11. 9	811	等温	765	CG	208	208	208	"	120	1.03	-	-	268	268	268	268	268	268	98	23	(最大) 1565	23	#2-2301	第8報
11	54.11.26	812	EV単体	765	CG	448	448	313	"	180	1.02	-	-	40.5	40.5	41.5	40.5	40.5	41.5	24	39	(最大) 1242	39	#2-2302	第8報
12	56. 3. 6	813	等温	797.8	CG	194.5	194.2	194.0	"	1800	1.036	-	-	30.0	29	35.0	30	29	35	80	-	(最大) 1190	-	#2-1860	
13	56. 6.10	814	等温	809.9	CG	269.5	269.8	268.6	"	180	1.0	-	-	38.5	38.5	39	38.5	38.5	39	68	0.6	(最大) 2330	0.6	#2-1901	
14	56. 6. 9	815	等温	771.5	CG	359.8	360.1	357.8	"	180	1.0	-	-	52.5	52.5	52.5	53.5	53.5	53.5	123	1.3	(最大) 3120	1.3	#2-1900	
15	56.11.23	816	EV単体	804.2	CG	451.1	451.0	320.2	"	180	1.0	-	-	-	-	-	-	-	-	-	-	-	-	#2-2148	収録MTトラ ブル
16	56.11.28	817	EV単体	769.3	CG	451.3	451.4	322.0	"	180	1.0	-	-	40.5	40.5	40.5	44	44	44	20	19.5	(最大) 1100	19.5	#2-2153	
17	58.11. 3	818	Na等温	404.6	CG中	363.5	363.7	362.7	"	180	1.036	-	-	54.0	43.0	47.0	63.0	53.0	57.0	18.0	0.0	(ピーク値) 2150	0.0	#2-3191	
18	58.11. 5	819	EV単体	402.1	CG中	353.9	354.4	313.2	"	180	1.036	-	-	57.0	48.0	50.0	64.0	57.0	58.0	32.0	0.0	(ピーク値) 2050	0.0	#2-3198	
19	58.11.10	820	EV単体	400.5	CG中	470.6	470.7	297.0	"	180	1.036	-	-	51.0	54.5	45.0	70.0	76.0	63.0	12.0	8.0	(ピーク値) 1660	-	#2-3229	

表2 (3/5) 注水素試験条件一覧表

通し 番号	実施日 年月日	試験 No	S G 運転		使用 ノズル 位置	温度条件			水素注入条件					Na H ₂ 濃度 (PPb)						カバーガス中H ₂ 濃度 (VPPm)				MT No	備考
			SG負荷 (%)	Na流量 (T/H)		SH入口 (°C)	EV入口 (°C)	EV出口 (°C)	ノズル径 (mmφ)	注入時間 (sec)	全注入量 (g)	注水素率 (g/sec)	等価水 リーク率 (g/sec)	初期値			静定値			初期値		静定値			
														EV-HNA	NAP-HNA	SH-HNA	EV-HNA	NAP-HNA	SH-HNA	EV-HAr	SH-HAr	EV-HAr	SH-HAr		
1	55.11.21	902	等温	3613	AN下	353	353	350	1.0	510	4233	8.3 × 10 ⁻³	7.47 × 10 ⁻²	575	59	575	94	94	92	200	9	10000 以上	9	#2-1768	第8報
2	55.11.22	903	等温	7912	AN下	201	201	201	1.0	1200	1044	8.7 × 10 ⁻³	7.83 × 10 ⁻²	355	387	365	39	41	38	75	2	(最大) 3640	2	#2-1772	第8報
3	55.12.12	904	EV単体	7703	AN上	451	451	325	3.5	1200	8.16	6.68 × 10 ⁻³	6.01 × 10 ⁻²	50	48	48	230	215	212	24	1.25	550	125	#2-1823	第8報
4	56. 3. 4	905	等温	0→400	AN下	2692	2686	267.7	1.0	420	525	1.25 × 10 ⁻²	0.1125	445	48	51	50	50	55	52.5	1.5	(最大) 17800	1.5	#2-1857	
5	56. 3. 5	906	等温	7844	AN下	1983	1983	198.6	1.0	1200	144	1.2 × 10 ⁻²	0.108	36	305	34	40	34	37	52.5	0.5	(最大) 4150	0.5	#2-1859	
6	56. 3. 1	907	等温	7754	AN上	3529	3508	350.8	3.5	1200	1044	8.7 × 10 ⁻²	7.83 × 10 ⁻²	45	36	42	196	181	182	7	4	(最大) 2740	4	#2-1854	
7	56. 3. 2	908	等温	7739	AN下	3533	3512	351.2	1.0	1200	1044	8.7 × 10 ⁻³	7.83 × 10 ⁻²	54	55	57	320	325	365	52	3.7	(最大) 695	3.7	#2-1855	
8	56. 3.11	909	等温	7779	AN上	3500	350.6	348.5	3.5	720	662	9.2 × 10 ⁻³	8.28 × 10 ⁻²	71	65	69	173	141	146	181	12.2	(最大) 32800	12.2	#2-1861	
9	56. 3. 3	912	等温	3776	AN下	3525	3534	351.3	1.0	600	63	1.05 × 10 ⁻²	9.45 × 10 ⁻²	70	75	77	109	112	106	47.3	4.6	(最大) 22700	4.6	#2-1856	
10	56. 6. 8	913	等温	7463	AN上	3594	3600	357.3	3.5	720	6264	8.7 × 10 ⁻³	7.83 × 10 ⁻²	34	34	34	117	116	115	54	12	(最大) 10400	12	#2-1899	
11	56. 6.25	914	EV単体	7721	AN下	4509	4494	317.6	1.0	5400	54	1 × 10 ⁻³	9 × 10 ⁻³	725	725	72.5	190	185	190	37	2	(最大) 240	2	#2-1915	
12	56. 6.23	915	EV単体	3814	AN上	4507	4504	308.4	3.5	5400	54	1 × 10 ⁻³	9 × 10 ⁻³	42	42	42	152	158	155	28	2.7	(最大) 830	2.7	#2-1913	
13	56. 6.24	916	EV単体	7721	AN上	4478	4472	316.5	3.5	3600	108	3 × 10 ⁻³	2.7 × 10 ⁻²	70	70	70	302	303	304	38	2.5	(最大) 1040	2.5	#2-1914	
14	56. 7. 4	917	EV単体	375.0	AN下	4493	4490	305.7	1.0	720	6264	8.7 × 10 ⁻³	7.83 × 10 ⁻²	42	40	41	151	141	148	15	1	(最大) 4850	1	#2-1943	
15	56. 7. 5	918	EV単体	777.1	AN下	4466	448.7	316.2	1.0	1200	1044	8.7 × 10 ⁻³	7.83 × 10 ⁻²	56	56	57	294	289	298	25	1.4	(最大) 680	1.4	#2-1944	
16	56. 7. 6	919	EV単体	770.7	AN下	447.6	447.9	316.7	1.0	390	585	1.5 × 10 ⁻²	0.135	69	71	71	206	214	201	25	2	(最大) 265	2	#2-1945	
17	56. 7. 7	920	EV単体	786.4	AN上	449.4	450.3	316.1	3.5	360	108	3 × 10 ⁻²	0.27	65	64	64	297	297	291	1	2	改降中	2	#2-1946	
18	56. 7.26	921	等温	779.9	AN下	196.9	196.9	199.7	1.0	1080	939.6	8.7 × 10 ⁻³	7.83 × 10 ⁻²	43	44	42	46.5	49	44	120	1	(最大) 6520	1	#2-2047	
19	56. 7.27	922	等温	0→400	AN下	271.1	271.4	269.6	1.0	420	365.4	8.7 × 10 ⁻³	7.83 × 10 ⁻²	40	41	40	41	40	41	750	2	(最大) 39600	2	#2-2049	
20	56. 7.25	923	EV単体	778.0	AN下	353.4	353.4	308.4	1.0	1200	1044	8.7 × 10 ⁻³	7.83 × 10 ⁻²	37	37	37	232	232	236	4	2	(最大) 1900	2	#2-2046	
21	56.11.29	924	EV単体	757.7	AN上	451.7	451.1	322.3	3.5	5400	2.7	5 × 10 ⁻⁴	4.5 × 10 ⁻³	46	47	47	108	115	113	16	16	(最大) 67	16	#2-2154	

表2(4/5) 注水素試験条件一覧表

通し 番号	実施日 年月日	試験 No	S G 運転		使用 ノズル 位置	温度条件			水素注入条件					Na 中 H ₂ 濃度 (PPb)						カバーガス中 H ₂ 濃度 (VPPm)				MT No	備考
			SG負荷 (%)	Na流量 (T/H)		SH入口 (℃)	EV入口 (℃)	EV出口 (℃)	ノズル径 (mmφ)	注入時間 (sec)	全注入量 (g)	注水素率 (g/sec)	等価水 素率 (g/sec)	初期値			静定値			初期値		静定値			
														EV-HNA	NAP-HNA	SH-HNA	EV-HNA	NAP-HNA	SH-HNA	EV-HAr	SH-HAr	EV-HAr	SH-HAr		
1	58. 4.20	925	EV単体	797.9	AN上	467.3	467.3	316.5	3.5	4200	0.233	5.55×10 ⁻⁵	5 × 10 ⁻⁴	49	452	40	54	49.5	46	200	20	200	20	#2-2778	
2	58. 4.20	926	EV単体	798.0	AN上	467.2	468.1	316.7	3.5	3000	2.995	9.98×10 ⁻⁴	8.98×10 ⁻³	55	508	46	119	109	110	250	20	260	20	#2-2779	
3	58. 4.21	927	EV単体	801.0	AN上	469.1	469.0	314.9	3.5	180	3.569	1.98×10 ⁻²	0.178	80	74	70	190	140	156	178	24	178	24	#2-2784	
4	58. 4.21	928	EV単体	805.1	AN上	469.9	467.9	316.0	3.5	4200	0.856	2.038×10 ⁻⁴	1.83×10 ⁻³	172	144	142	168	163	160	70	20	70	20	#2-2784	
5	58. 4.21	929	EV単体	800.9	AN上	465.3	465.6	315.1	3.5	4200	0.437	1.04×10 ⁻⁴	1.36×10 ⁻⁴	165.5	162	158	174	171	168	60	24	60	24	#2-2786	
6	58. 4.22	930	EV単体	801.0	AN上	470.3	470.2	317.5	3.5	1800	1.797	9.98×10 ⁻⁴	8.98×10 ⁻³	182	179	172	244	224	214	60	20	60	20	#2-2792	
7	58. 4.22	931	EV単体	794.0	AN下	470.0	470.2	317.5	1.0	4200	0.419	9.98×10 ⁻⁵	8.98×10 ⁻⁴	216	186	176	232	196	186	70	20	70	20	#2-2794	
8	58. 4.22	932	EV単体	798.0	AN下	469.1	469.5	316.9	1.0	4200	1.258	2.99×10 ⁻⁴	2.69×10 ⁻³	232	195	184	250	218	204	74	20	74	20	#2-2794	
9	58. 4.23	933	EV単体	796.7	AN下	468.1	468.1	318.9	1.0	4200	0.2096	4.99×10 ⁻⁵	4.49×10 ⁻⁴	154	148	142	158	152	146	160	20	160	20	#2-2796	
10	58. 4.23	934	EV単体	797.5	AN下	468.1	468.5	319.2	1.0	1800	5.416	3.01×10 ⁻³	2.71×10 ⁻²	158	154	146	278	250	232	160	20	160	20	#2-2796	
11	58. 4.25	935	EV単体	399.3	AN上	469.3	469.8	304.5	3.5	1800	5.401	3 × 10 ⁻³	2.7 × 10 ⁻²	57	44	43	165	156	154	230	15	230	15	#2-2805	
12	58. 4.25	936	EV単体	399.1	AN上	474.2	474.4	302.5	3.5	4200	1.258	2.99×10 ⁻⁴	2.69×10 ⁻³	157	149	141	182	178	166	240	15	240	15	#2-2805	
13	58. 4.29	937	EV単体	398.8	AN上	469.5	469.5	303.5	3.5	180	3.574	2 × 10 ⁻²	0.18	47	42	36	98	86	87	0.0	14	120	14	#2-2824	
14	58. 4.29	938	EV単体	396.8	AN上	469.8	470.0	303.3	3.5	4200	0.419	9.98×10 ⁻³	8.98×10 ⁻⁴	94	89	92	103	97	102	32	14	32	14	#2-2824	
15	58. 4.29	939	EV単体	396.7	AN下	469.9	470.1	304.0	1.0	4200	1.258	2.99×10 ⁻⁴	2.69×10 ⁻³	102	97.5	102	129	118	129	0.0	10	0.0	10	#2-2824	
16	58. 6. 9	940	EV単体	401.3	AN上	301.3	300.9	283.5	3.5	4200	0.839	2 × 10 ⁻⁴	1.8 × 10 ⁻³	45	46	44	48	48.5	46	25	18	25	18	#2-3007	
17	58. 6. 9	941	EV単体	399.8	AN上	302.4	302.9	284.5	3.5	1800	5.401	3 × 10 ⁻³	2.7 × 10 ⁻²	48	49	45	56	56	56	30	18	30	18	#2-3007	
18	58. 6. 9	942	EV単体	603.3	AN上	300.9	301.3	290.5	3.5	4200	0.839	2 × 10 ⁻⁴	1.8 × 10 ⁻³	56.5	58	55	64	65.5	64	20	15	20	15	#2-3007	
19	58. 6. 9	943	EV単体	601.5	AN上	303.1	303.2	291.7	3.5	1800	5.401	3 × 10 ⁻³	2.7 × 10 ⁻²	64	66	64	89.5	89.5	92	0	16	0	16	#2-3007	
20	58. 6.12	944	EV単体	399.4	AN上	350.0	350.9	306.2	3.5	4200	0.84	2 × 10 ⁻⁴	1.8 × 10 ⁻³	53.5	58	60	60	65	66	0	18	0	18	#2-3016	
21	58. 6.12	945	EV単体	399.1	AN上	349.7	350.6	305.7	3.5	1800	5.416	3.01×10 ⁻³	2.7 × 10 ⁻²	61	65.2	68	86	88	96	0	18	0	18	#2-3016	

表 2 (5/5) 注 水 素 試 験 条 件 一 覧 表

通し 番号	実施日 年月日	試 験 No.	S G 運 転		使 用 ノズル 位 置	温 度 条 件			水 素 注 入 条 件					Na 中 H ₂ 濃 度 (PPb)						カバ-ガス中H ₂ 濃度 (VPPm)				MT No.	備 考
			SG負荷 (%)	Na流量 (T/H)		SH入口 (°C)	EV入口 (°C)	EV出口 (°C)	ノズル径 (mmφ)	注入時間 (sec)	全注入量 (g)	注水素率 (g/sec)	等 価 水 リ-ク率 (g/sec)	初 期 値			静 定 値			初 期 値		静 定 値			
														EV-HNA	NAP-HNA	SH-HNA	EV-HNA	NAP-HNA	SH-HNA	EV-HAr	SH-HAr	EV-HAr	SH-HAr		
1	58. 6.12	946	EV単体	800	AN上	3547	355.1	321.9	3.5	4200	0821	1.96×10 ⁻⁴	1.76×10 ⁻³	99	101	110	1175	116	132	950	18	150	18	#2-3017	
2	58. 6.12	947	EV単体	802.1	AN上	3539	354.4	321.6	3.5	1800	5401	3 × 10 ⁻³	2.7 × 10 ⁻²	122	120	137	210	180	230	250	18	250	18	#2-3017	
3	58. 6.14	948	EV単体	408	AN上	401.7	402.0	342.3	3.5	4200	0827	1.97×10 ⁻⁴	1.77×10 ⁻³	180	189.5	194	224	210	211	0	18	0	18	#2-3027	
4	58. 6.14	949	EV単体	408.1	AN上	401.9	402.2	343.0	3.5	1800	5441	3.02×10 ⁻³	2.72×10 ⁻²	105	112	112	178	186	190	0	18	0	18	#2-3027	
5	58. 6.14	950	EV単体	806.5	AN上	398.6	399.8	289.3	3.5	4200	0839	2 × 10 ⁻⁴	1.8 × 10 ⁻³	220	215.5	220	235	235	238	0	16	0	16	#2-3030	
6	58. 6.17	952	EV単体	397.1	AN上	469.9	470.2	285.4	3.5	1800	5391	2.99×10 ⁻³	2.69×10 ⁻²	93	98	100	206	213	217	0	18	0	18	#2-3047	
7	58. 6.17	953	EV単体	397.4	AN下	469.3	469.5	285.1	1.0	4200	0419	9.98×10 ⁻⁵	8.98×10 ⁻⁴	179	186	195	190	197	204	0	18	0	18	#2-3047	
8	58. 6.17	954	EV単体	399.3	AN下	470.0	470.1	286.3	1.0	1800	5391	2.99×10 ⁻³	2.69×10 ⁻²	188	196	204	301	300	258	0	18	0	18	#2-3047	
9	58. 6.18	955	EV単体	599.3	AN上	472.0	472.1	298.8	3.5	4200	04076	9.71×10 ⁻⁵	8.74×10 ⁻⁴	1076	116	120	118	127	133	0	18	0	18	#2-3048	
10	58. 6.18	956	EV単体	596.9	AN上	471.0	471.2	298.2	3.5	4200	2155	5.13×10 ⁻⁴	4.62×10 ⁻³	117	127	130	165	171	184	0	18	0	18	#2-3048	
11	58. 6.18	957	EV単体	596.4	AN上	471.1	471.0	297.7	3.5	1800	5391	2.99×10 ⁻³	2.69×10 ⁻²	158	162	176	259	270	240	0	18	0	18	#2-3048	
12	58. 6.26	958	EV+SH	798.6	AN上	487.0	471.0	313.0	3.5	1800	5416	3.01×10 ⁻³	2.71×10 ⁻²	365	365	45	157	163	178	0	10	0	10	#2-3080	
13	58. 6.26	959	EV+SH	799.4	AN上	487.5	470.7	313.5	3.5	4200	084	2 × 10 ⁻⁴	1.8 × 10 ⁻³	1172	1218	106	1355	135.5	126	0	10	0	10	#2-3080	
14	58.11. 7	960	EV単体	802.1	AN上	449.5	449.8	313.9	3.5	360	1198	3.33×10 ⁻²	0.2997	70.0	62.0	63.0	325.0	244.0	280.0	16.0	0.0	(ピーク値) 2460	0.0	#2-3203	
15	58.11. 6	961	EV単体	399.9	AN下	454.3	454.3	301.7	1.0	60	25	4.16×10 ⁻²	0.3744	81	75.5	75.0	190	137	137	400	0.0	(ピーク値) 2800	0.0	#2-3201	

表3 (1/6) 各水素計の校正式

試験 No.	EV-H _{Na}	SH-H _{Na}	NaP-H _{Na}	EV-H _{Ar}	SH-H _{Ar}	実施日 年月日	備考
	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式		
W101	19.6 I _P ^{0.57}	22.6 I _P ^{0.701}	28.5 I _P ^{0.626}	0.118 I _P ^{1.72} ※1	0.533 I _P ^{1.24}	54. 2. 15	PNC SN941 81-23
W102	"	"	"	"	"	54. 2. 17	"
W103	"	"	28.5 I _P ^{0.626}	"	"	54. 2. 19	"
W104	"	"	27.7 I _P ^{0.716}	0.118 I _P ^{1.72} ※1	0.55 I _P ^{1.24}	54. 5. 27	"
W105	"	"	"	"	"	54. 5. 29	PNC SN941 81-23
W106	"	"	"	"	"	54. 6. 1	"
W107	"	"	"	"	"	54. 5. 31	"
W108	"	"	"	"	"	54. 6. 2	"
W109	19.6 I _P ^{0.57}	22.6 I _P ^{0.701}	"	"	"	54. 7. 9	"
W110	1.28 I _P ^{0.998}	14.1 I _P ^{0.79}	"	0.124 I _P ^{1.51}	0.00552 I _P ^{1.79}	54. 11. 3	EV-H _{Na} , SH-H _{Na} , MT 出力用校正式は NaP-H _{Na} での出力を正とし作成
W110A	"	"	"	"	"	54. 11. 6	"
W111	"	"	"	"	"	54. 11. 5	"
W112	"	"	"	"	"	54. 11. 8	"
W113	"	"	"	"	"	54. 11. 7	"
W113A	"	"	"	"	"	54. 11. 8	"
W114	"	"	"	"	"	54. 11. 27	"
W115	1.28 I _P ^{0.998}	14.1 I _P ^{0.79}	27.7 I _P ^{0.716}	0.124 I _P ^{1.51}	0.00552 I _P ^{1.79}	54. 12. 14	"
W116	"	"	"	"	"	56. 10. 22	注入装置不調
W117	27.4 I _P ^{0.617}	8.766 I _P ^{0.913}	24.0 I _P ^{0.732}	0.00376 I _P ^{2.223}	0.09807 I _P ^{1.087}	56. 10. 22	"

(I_P : イオンポンプ出力, — : 不明, ※1 : Ni 膜 350℃での校正式)

表 3 (2/6) 各 水 素 計 の 校 正 式

試 験 No.	EV - H _{Na}	SH - H _{Na}	NaP - H _{Na}	EV - H _{Ar}	SH - H _{Ar}	実 施 日 年 月 日	備 考
	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式		
701						53. 5. 29	プロッター手書き
702						53. 6. 24	プロッター手書き
703						53. 7. 8	
704						53. 7. 15	
705	$15.2 I_P^{0.684}$	$10.3 I_P^{0.91}$	$27.7 I_P^{0.716}$	$0.124 I_P^{1.51}$	$0.552 \times 10^{-2} I_P^{1.79}$	55. 11. 20	
706	"	"	"	"	"	55. 11. 23	
707	"	"	"	"	"	55. 12. 13	
708	$33 I_P^{0.642}$	$7.21 I_P^{0.958}$	$27.5 I_P^{0.731}$	$0.1048 I_P^{1.41}$	$1.46 \times 10^{-3} I_P^{1.93}$	56. 7. 28	
709	$1.121 \times 10^8 I_G^{0.642}$	$2.945 \times 10^7 I_G^{0.842}$	$26.309 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	58. 11. 19	
710	$1.121 \times 10^8 I_G^{0.953}$	$2.945 \times 10^7 I_G^{0.842}$	$26.309 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	58. 11. 18	
711	$1.39 \times 10^7 I_G^{0.953}$	$2.61 \times 10^7 I_G^{0.842}$	$16.1 I_P^{0.718}$		$3.485 \times 10^{-2} I_P^{1.493}$	58. 11. 12	
712	$1.39 \times 10^7 I_G^{0.953}$	$2.61 \times 10^7 I_G^{0.842}$	$16.1 I_P^{0.718}$		$3.485 \times 10^{-2} I_P^{1.493}$	58. 11. 11	
713	$1.121 \times 10^8 I_G^{0.953}$	$2.945 \times 10^7 I_G^{0.842}$	$26.309 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	58. 11. 20	

(I_G : 真空計真空度, I_P : イオンポンプ出力, — : 不明確)

表 3 (3/6) 各 水 素 計 の 校 正 式

試 験 No.	EV - H _{Na}	SH - H _{Na}	NaP - H _{Na}	EV - H _{Ar}	SH - H _{Ar}	実 施 日 年 月 日	備 考
	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式		
802						53. 5. 30	プロッター手書
803						53. 6. 1	"
804						53. 7. 10	"
805						53. 7. 11	"
806						53. 7. 17	"
807	$1.121 \times 10^8 I_G^{0.953}$	$2.945 \times 10^7 I_G^{0.842}$	$26309 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	54. 2. 13	
808	$1.39 \times 10^7 I_G^{0.953}$	$2.61 \times 10^7 I_G^{0.842}$	$16.1 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	54. 2. 14	
809	$1.39 \times 10^7 I_G^{0.953}$	$2.61 \times 10^7 I_G^{0.842}$	$16.1 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	54. 6. 3	
810						54. 6. 4	PNC SN941 81-259
811	$1.28 I_P^{0.998}$	$14.1 I_P^{0.79}$	$27.7 I_P^{0.716}$	$0.124 I_P^{0.151}$	$0.552 \times 10^{-2} I_P^{1.79}$	54. 11. 9	
812	"	"	"	"	"	54. 11. 26	
813	$45 I_P^{0.6}$	$11.5 I_P^{0.855}$	$28.3 I_P^{0.731}$	$0.124 I_P^{0.151}$	"	56. 3. 6	
814	$33 I_P^{0.642}$	$7.21 I_P^{0.958}$	$27.5 I_P^{0.731}$	$0.1048 I_P^{1.41}$	$0.146 \times 10^{-2} I_P^{1.93}$	56. 6. 10	
815	$33 I_P^{0.642}$	$7.21 I_P^{0.958}$	$27.5 I_P^{0.731}$	$0.1048 I_P^{1.41}$	$0.146 \times 10^{-2} I_P^{1.93}$	56. 6. 9	
816						56. 11. 13	収録MTトラブル
817	$2.74 \times 10 I_P^{0.617}$	$8.766 I_P^{0.913}$	$24 I_P^{0.732}$	$3.76 \times 10^{-3} I_P^{2.229}$	$9.807 \times 10^{-2} I_P^{1.087}$	56. 11. 28	
818	$1.121 \times 10^8 I_G^{0.953}$	$2.945 \times 10^7 I_G^{0.842}$	$26309 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	58. 11. 3	
819	$1.39 \times 10^7 I_G^{0.953}$	$2.61 \times 10^7 I_G^{0.842}$	$16.1 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	58. 11. 5	
820	$1.39 \times 10^7 I_G^{0.953}$	$2.61 \times 10^7 I_G^{0.842}$	$16.1 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	58. 11. 10	

(I_G : 真空計真空度, I_P : イオンポンプ出力, — : 不明確)

表 3 (4/6) 各 水 素 計 の 校 正 式

試 験 No	EV - H _{Na}	SH - H _{Na}	NaP - H _{Na}	EV - H _{Ar}	SH - H _{Ar}	実 施 日 年 月 日	備 考
	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式		
902	$15.2 I_P^{0.684}$	$10.3 I_P^{0.91}$	$27.7 I_P^{0.716}$	$0.272 \times 10^{-1} I_P^{1.51}$	$0.552 \times 10^{-2} I_P^{1.79}$	55.11.21	
903	"	"	"	$0.124 I_P^{1.51}$	"	55.11.22	
904	"	"	"	$0.272 \times 10^{-1} I_P^{1.51}$	"	55.12.12	
905	$45 I_P^{0.6}$	$11.5 I_P^{0.855}$	$28.3 I_P^{0.739}$	$0.124 I_P^{1.51}$	$0.552 \times 10^{-2} I_P^{1.79}$	56. 3. 4	
906	"	"	"	"	"	56. 3. 5	
907	"	"	"		$0.552 \times 10^{-2} I_P^{1.79}$	56. 3. 1	
908	"	"	"	"	"	56. 3. 2	
909	"	"	"	"	"	56. 3.11	
912	$45 I_P^{0.6}$	$11.5 I_P^{0.855}$	$28.3 I_P^{0.739}$	$0.124 I_P^{1.51}$	$0.552 \times 10^{-2} I_P^{1.79}$	56. 3. 3	
913	$33 I_P^{0.642}$	$7.21 I_P^{0.958}$	$27.5 I_P^{0.731}$	$0.1048 I_P^{1.41}$	$0.146 \times 10^{-2} I_P^{1.93}$	56. 6. 8	EV-H _{Na} , SH-H _{Na} , MT出力校正式は NaP-H _{Na} を正とし再作成
914	"	"	"	"	"	56. 6.25	"
915	"	"	"	"	"	56. 6.23	"
916	"	"	"	"	"	56. 6.24	"
917	"	"	"	"	"	56. 7. 4	"
918	"	"	"	"	"	56. 7. 5	"
919	"	"	"	"	"	56. 7. 6	"
920	"	"	"	"	"	56. 7. 7	"
921	"	"	"	"	"	56. 7.26	"
922	"	"	"	"	"	56. 7.27	"
923	$33 I_P^{0.642}$	$7.21 I_P^{0.958}$	$27.5 I_P^{0.731}$	$0.1048 I_P^{1.41}$	$0.146 \times 10^{-2} I_P^{1.93}$	56. 7.25	"
924	$27.4 I_P^{0.617}$	$8.766 I_P^{0.913}$	$24 I_P^{0.732}$	$3.762 \times 10^{-3} I_P^{2.223}$	$9.807 \times 10^{-2} I_P^{1.087}$	58.11.29	

(I_G: 真空計真空度, I_P: イオンポンプ出力, —: 不明確)

表3 (5/6) 各水素計の校正式

試験 No	EV - H _{Na}	SH - H _{Na}	NaP - H _{Na}	EV - H _{Ar}	SH - H _{Ar}	実施日 年月日	備考
	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式		
925	$1.121 \times 10^8 I_G^{0.953}$	$2.945 \times 10^7 I_G^{0.842}$	$26.309 I_P^{0.718}$	$1.757 \times 10^{10} ML^{1.984}$	$0.348 I_P^{1.493}$	58. 4. 20	
926	"	"	"	"	"	58. 4. 20	
927	"	"	"	"	"	58. 4. 21	
928	"	"	"	"	"	58. 4. 21	
929	"	"	"	"	"	58. 4. 21	
930	"	"	"	"	"	58. 4. 22	
931	"	"	"	"	"	58. 4. 22	
932	"	"	"	"	"	58. 4. 22	
933	"	"	"	"	"	58. 4. 23	
934	"	"	"	"	"	58. 4. 23	
935	"	"	"	"	"	58. 4. 25	
936	"	"	"	"	"	58. 4. 25	
937	"	"	$40.459 I_P^{0.621}$	"	"	58. 4. 29	
938	"	"	"	"	"	58. 4. 29	
939	"	"	$40.459 I_P^{0.621}$	"	"	58. 4. 29	
940	"	"	$34.173 I_P^{0.6045}$	"	"	58. 6. 9	
941	"	"	"	"	"	58. 6. 9	
942	"	"	"	"	"	58. 6. 9	
943	"	"	"	"	"	58. 6. 9	
944	"	"	"	"	"	58. 6. 12	
945	"	"	"	"	"	58. 6. 12	

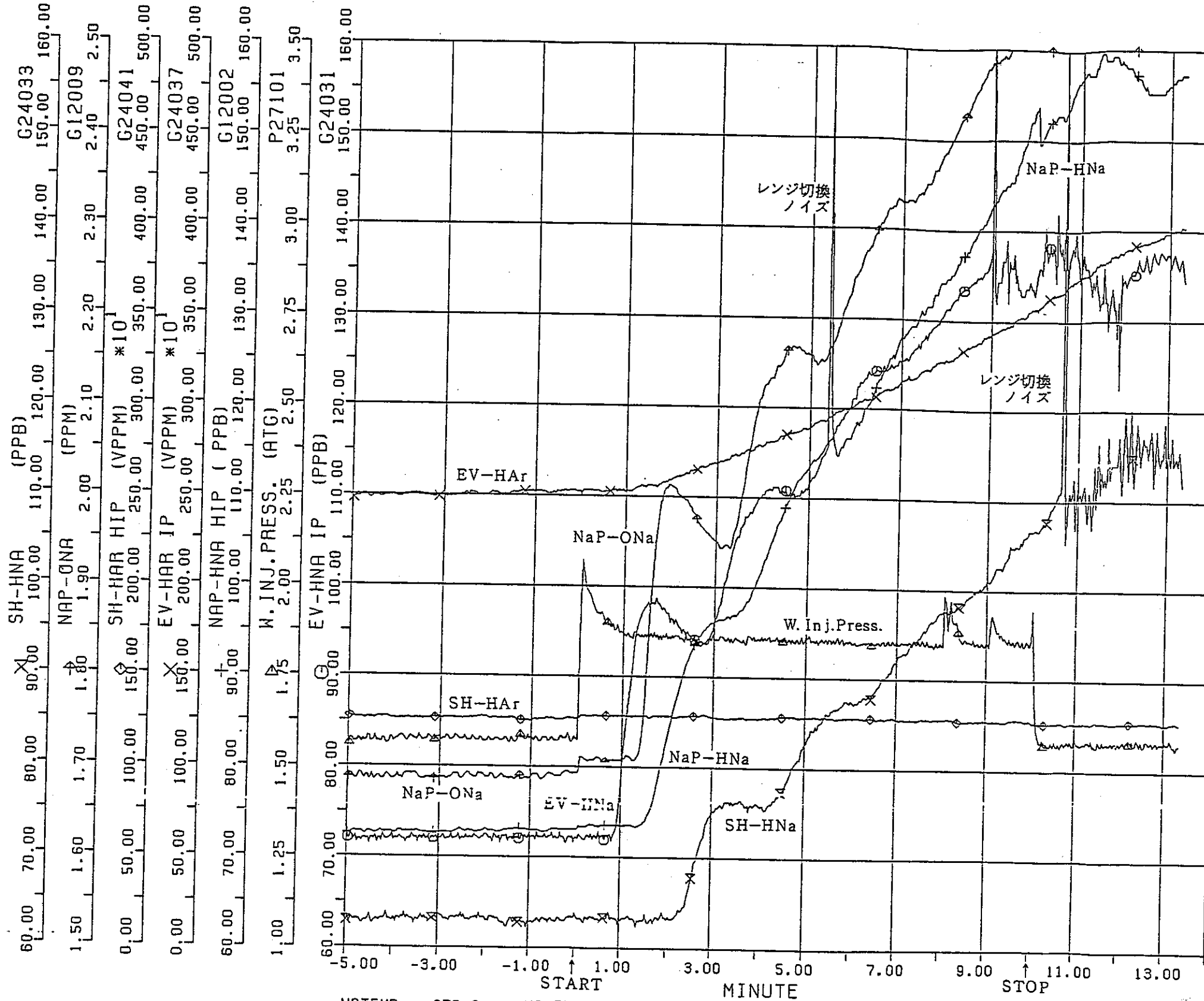
(I_G: 真空計真空度, I_P: イオンポンプ出力, —: 不明確)

表 3 (6/6) 各 水 素 計 の 校 正 式

試 験 No.	EV - H _{Na}	SH - H _{Na}	NaP - H _{Na}	EV - H _{Ar}	SH - H _{Ar}	実 施 日 年 月 日	備 考
	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式	MT入力校正式		
946	$1.121 \times 10^8 I_G^{0.953}$	$2.945 \times 10^7 I_G^{0.842}$	$34.173 I_P^{0.6045}$	$1.757 \times 10^{10} ML^{1.984}$	$0.3485 I_P^{1.493}$	58. 6. 12	
947	"	"	"	"	"	58. 6. 12	
948	"	"	"	"	"	58. 6. 14	
949	"	"	"	"	"	58. 6. 14	
950	"	"	"	"	"	58. 6. 14	
952	"	"	"	"	$3.485 \times 10^{-2} I_P^{1.493}$	58. 6. 17	
953	"	"	"	"	"	58. 6. 17	
954	"	"	"	"	"	58. 6. 18	
955	"	"	"	"	"	58. 6. 17	
956	"	"	"	"	"	58. 6. 18	
957	"	"	"	"	"	58. 6. 18	
958	"	"	"	"	"	58. 6. 26	
959	$1.121 \times 10^8 I_G^{0.953}$	$2.945 \times 10^7 I_G^{0.842}$	$34.173 I_P^{0.6045}$	$1.757 \times 10^{10} ML^{1.984}$	$3.485 \times 10^{-2} I_P^{1.493}$	58. 6. 26	
960						58. 11. 7	
961						58. 11. 6	

(I_G : 真空計真空度, I_P : イオンポンプ出力, — : 不明確)

この頁はPDF化されていません。
内容の閲覧が必要な場合は、技術資料管理
担当箇所で原本冊子を参照して下さい。

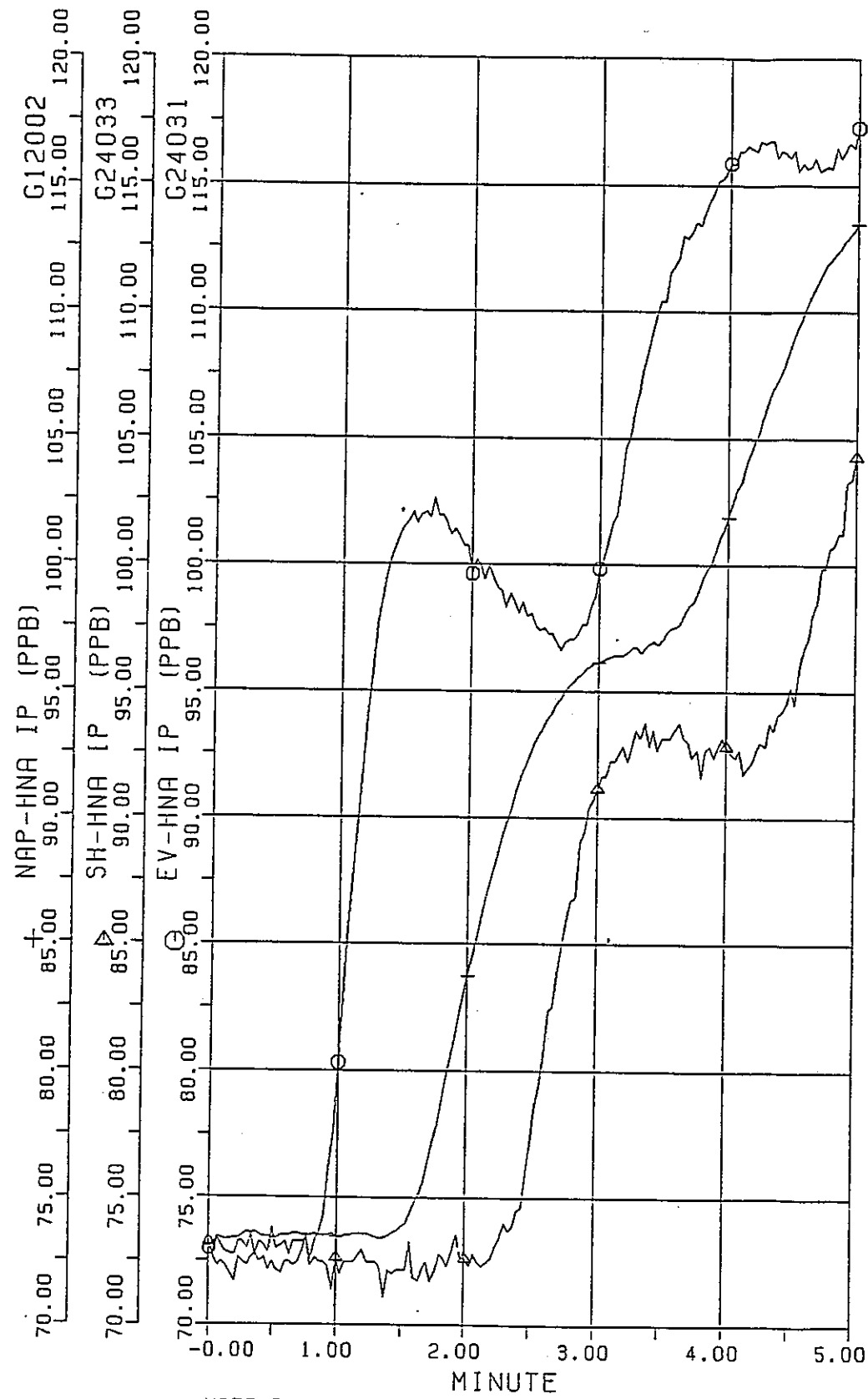


NATEMP= 352.0 NA FLOW = 800.0 T/H INJECTION TIME= 600.0 SECOND INJECT RATE= 0.050500 G/SEC
 79 NEN 02 GATS 17 NICHU 14 ZI 01 FUN 00 BY0 WATER INJECTION TEST W102
 SAMPLING PERIOD 2.00

CASE W102 WATER INJECTION TEST

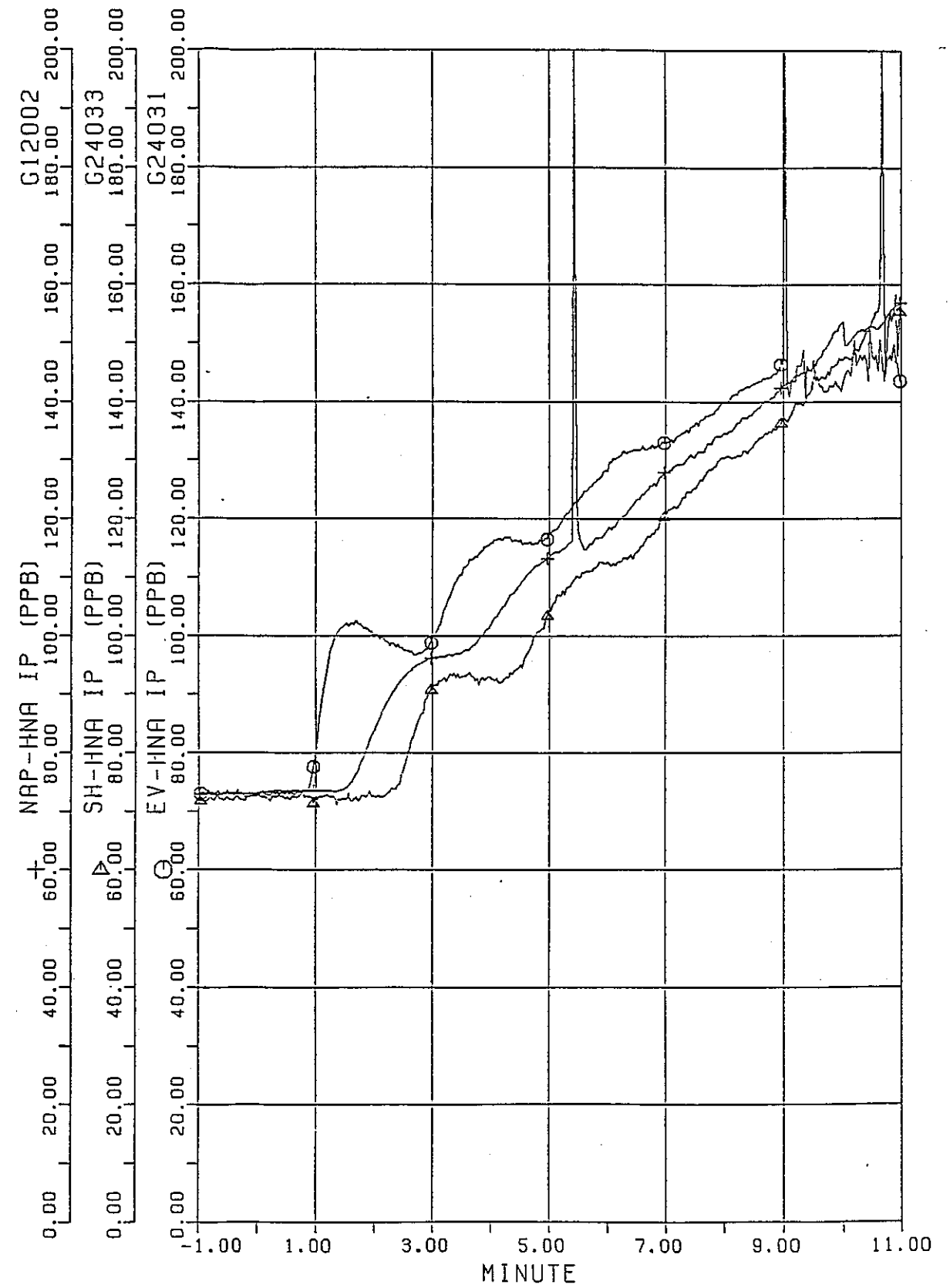
図1-2 (1/2) W-102注水試験

A



NATEMP= 352.0 NA FLOW = 800.0 T/H INJECTION TIME=
 79 NEN 02 GATS 17 NICHI 14 ZI 01 FUN 00 BYO
 SAMPLING PERIOD 2.00

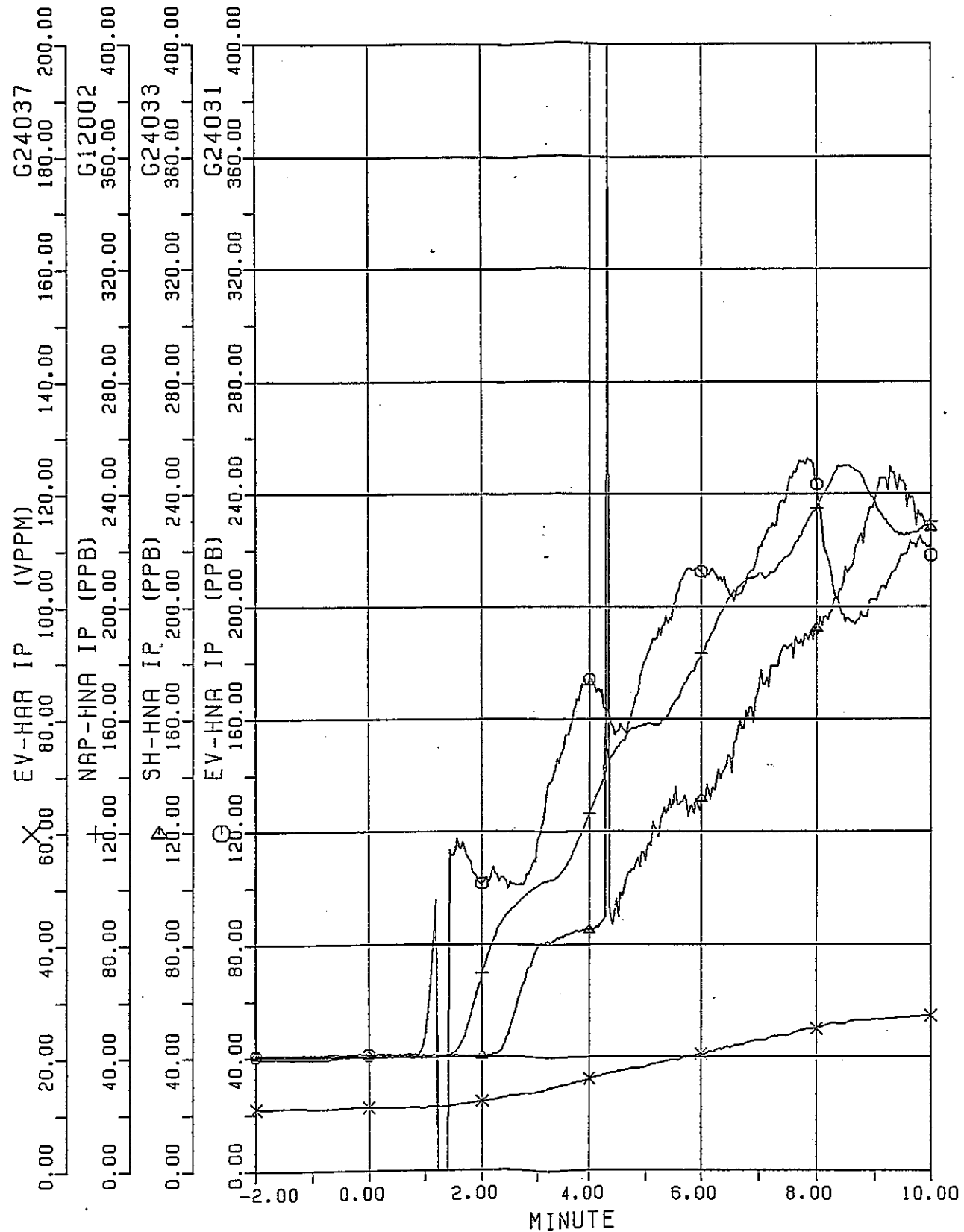
A



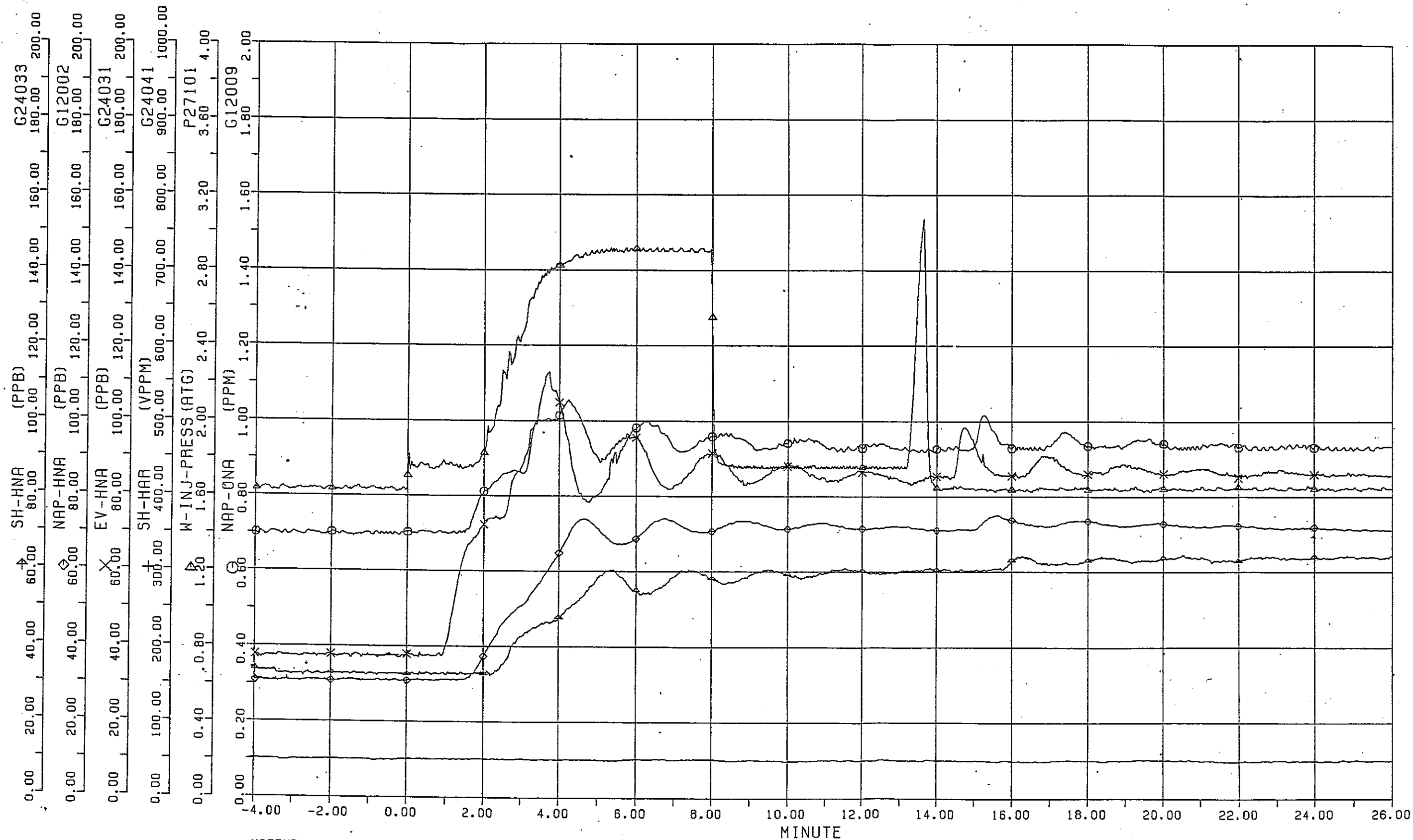
NATEMP= 352.0 NA FLOW = 800.0 T/H INJECTION TIME= 600.
 79 NEN 02 GATS 17 NICHI 14 ZI 01 FUN 00 BYO WATER IN
 SAMPLING PERIOD 2.00

図1-2 (2/2) W-102 注水試験

この頁はPDF化されていません。
内容の閲覧が必要な場合は、技術資料管理
担当箇所で原本冊子を参照して下さい。

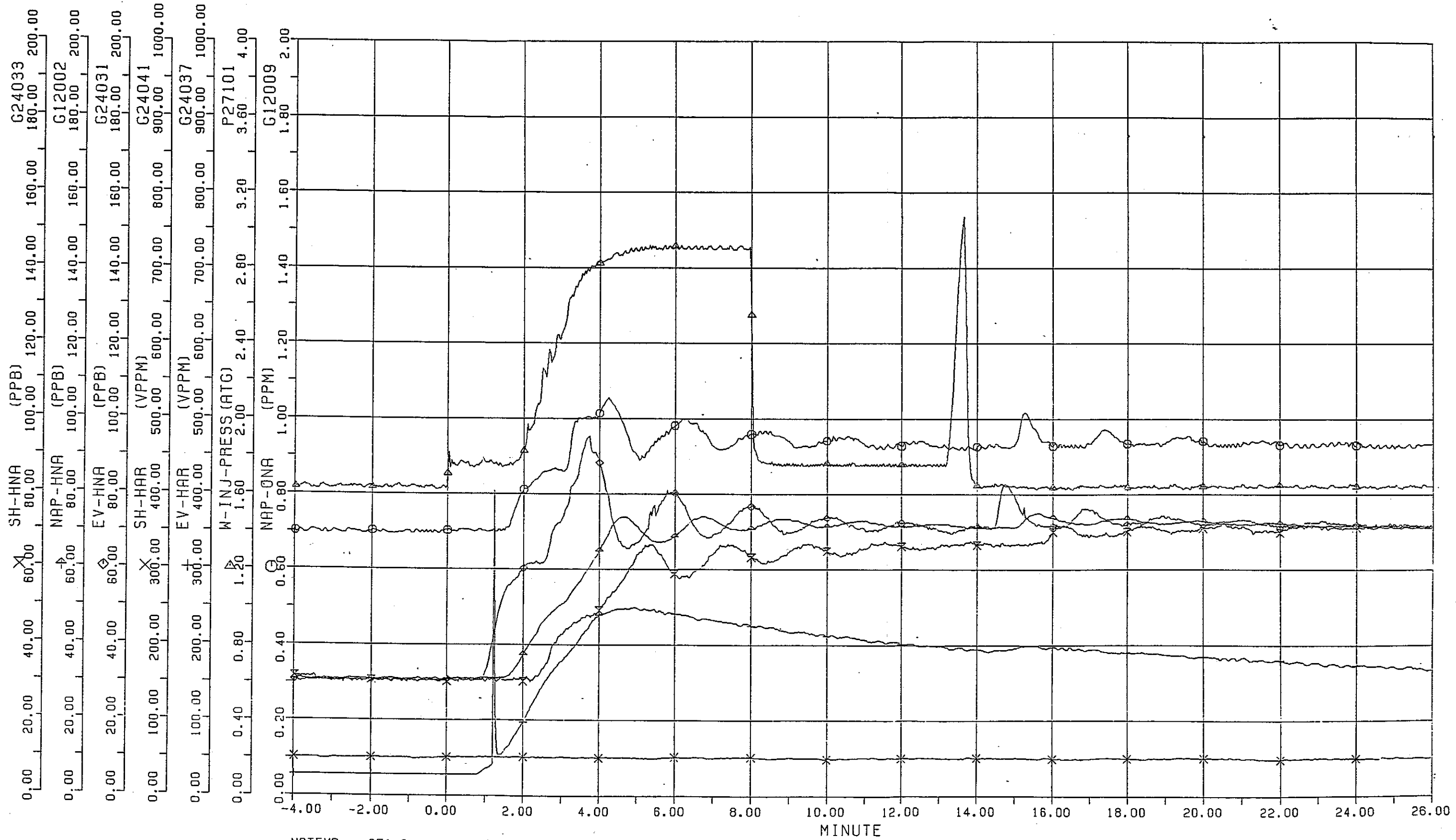


NATEMP= 402.0 NA FLOW = 800.0 T/H INJECTION TIME= 420.0 SECOND INJECT RATE= 0.148000 G/SEC
 79 NEN 07 GATS 09 NICHI 15 ZI 52 FUN 24 BY0 WATER-INJECTION TEST W109
 SAMPLING PERIOD 2.00
 CASE W109 WATER INJECTION TEST

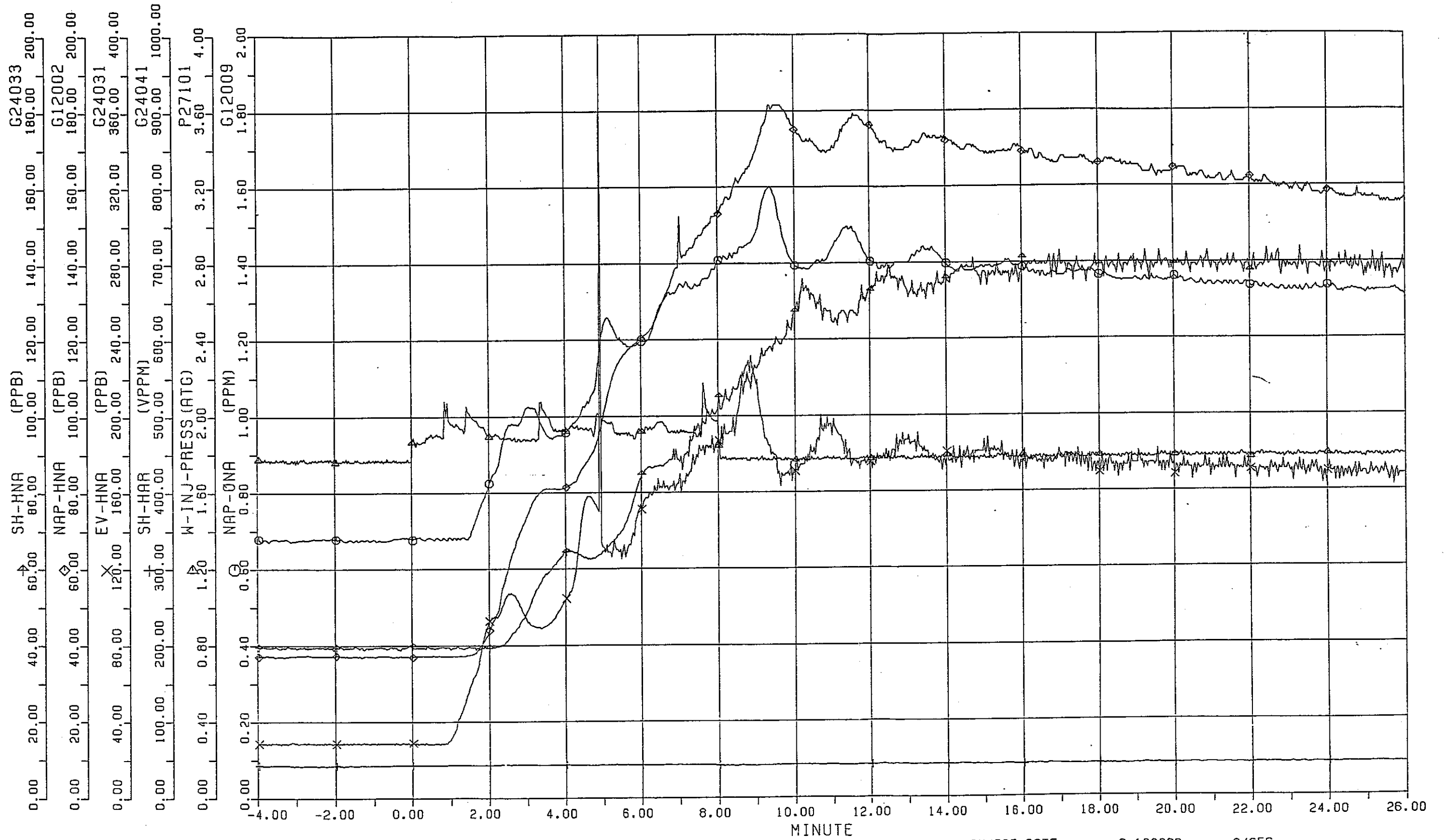


NATEMP= 350.0 NA FLOW = 800.0 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.102000 G/SEC
 79 NEN 11 GATS 03 NICHI 14 ZI 49 FUN 12 BYO WATER INJECTION TEST W110 11/3/79
 SAMPLING PERIOD . 2.00

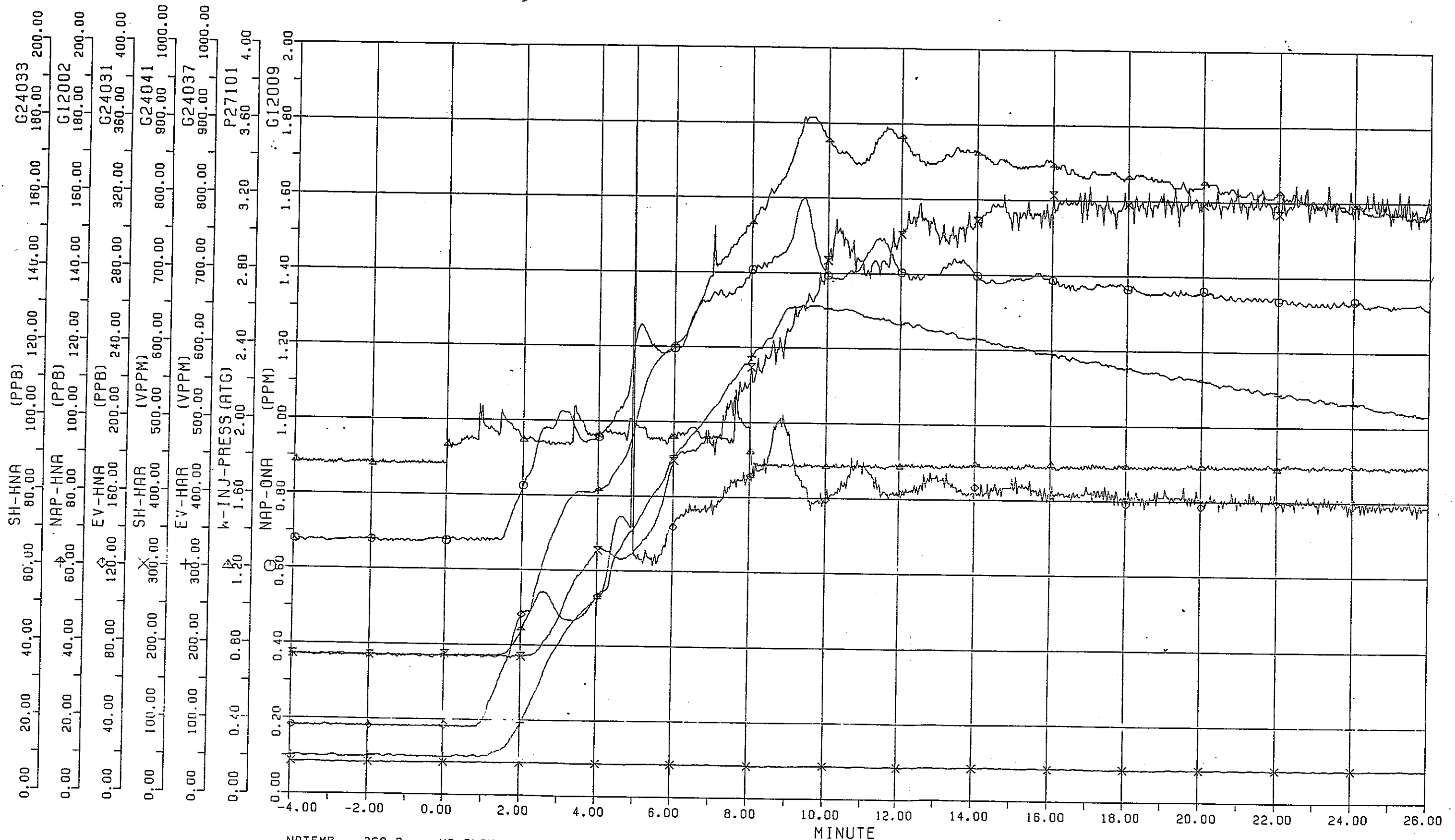
CASE W110 HYDROGEN INJECTION TEST



NATEMP= 351.0 NA FLOW = 800.0 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.102000 G/SEC
 79 NEN 11 GATS 03 NICHI 14 ZI 49 FUN 12 BYO WATER INJECTION TEST W110 11/3/79
 SAMPLING PERIOD 2.00
 CASE W110 HYDROGEN INJECTION TEST

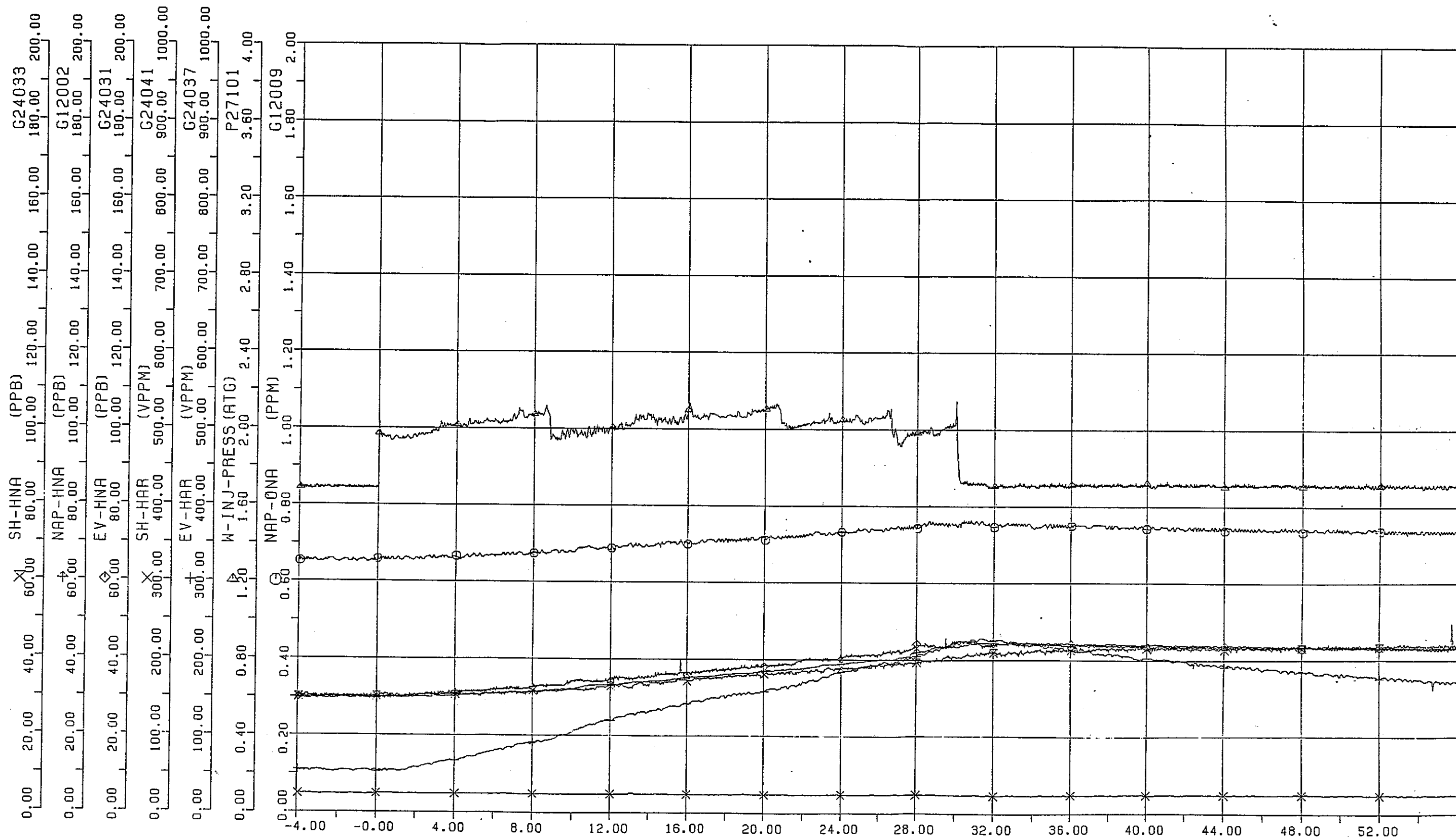


NATEMP= 360.0 NA FLOW = 800.0 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.100000 G/SEC
 79 NEN 11 GATS 06 NICHII 15 ZI 52 FUN 12 BYO WATER INJECTION TEST W110A 11/6/79
 SAMPLING PERIOD 2.00 CASE W110A HYDROGEN INJECTION TEST



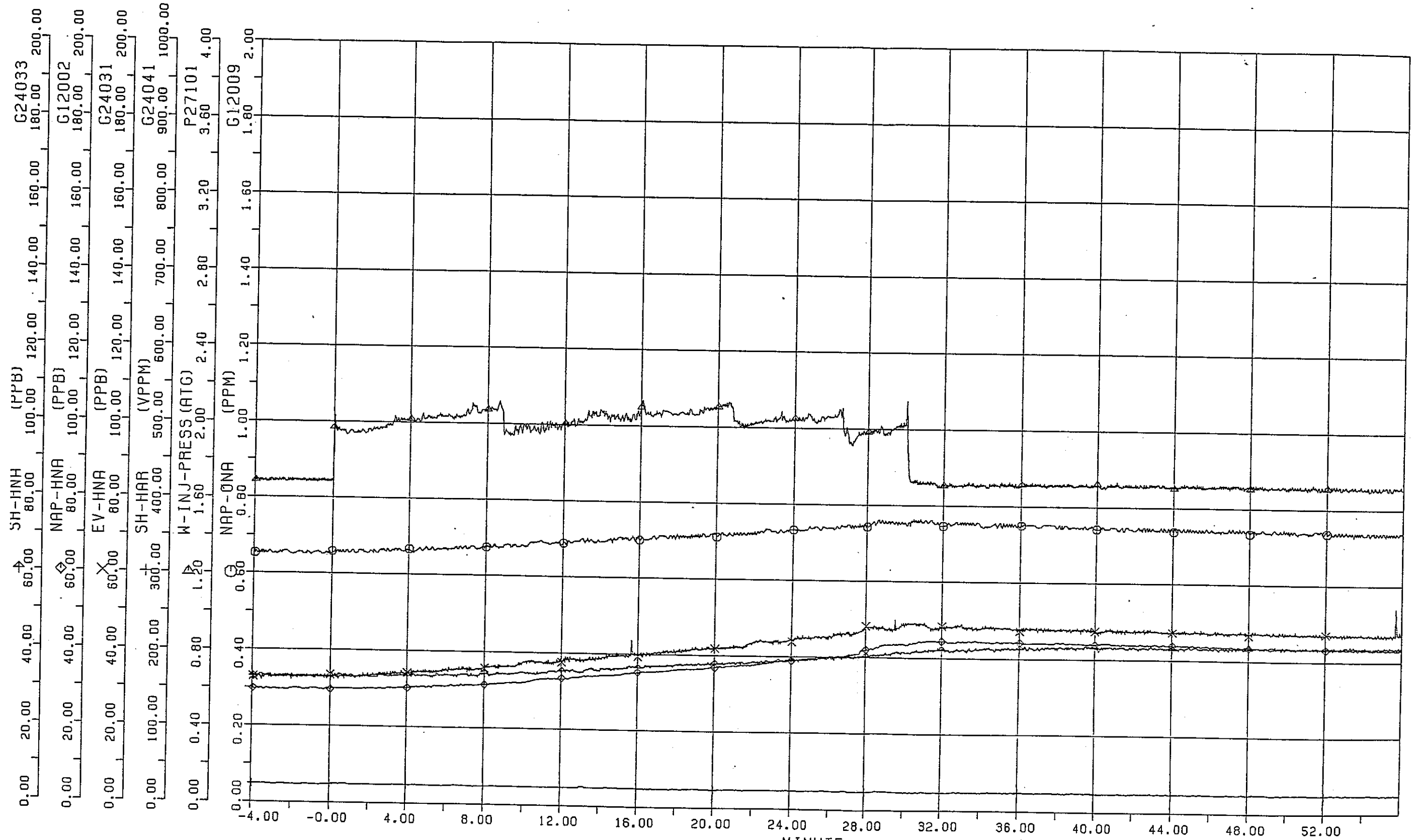
NATEMP= 360.0 NA FLOW = 800.0 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.100000 G/SEC
 79 NEN 11 GATS 06 NICHI 15 ZI 52 FUN 12 BYO WATER INJECTION TEST W110A 11/6/79
 SAMPLING PERIOD 2.00

CASE W110A HYDROGEN INJECTION TEST



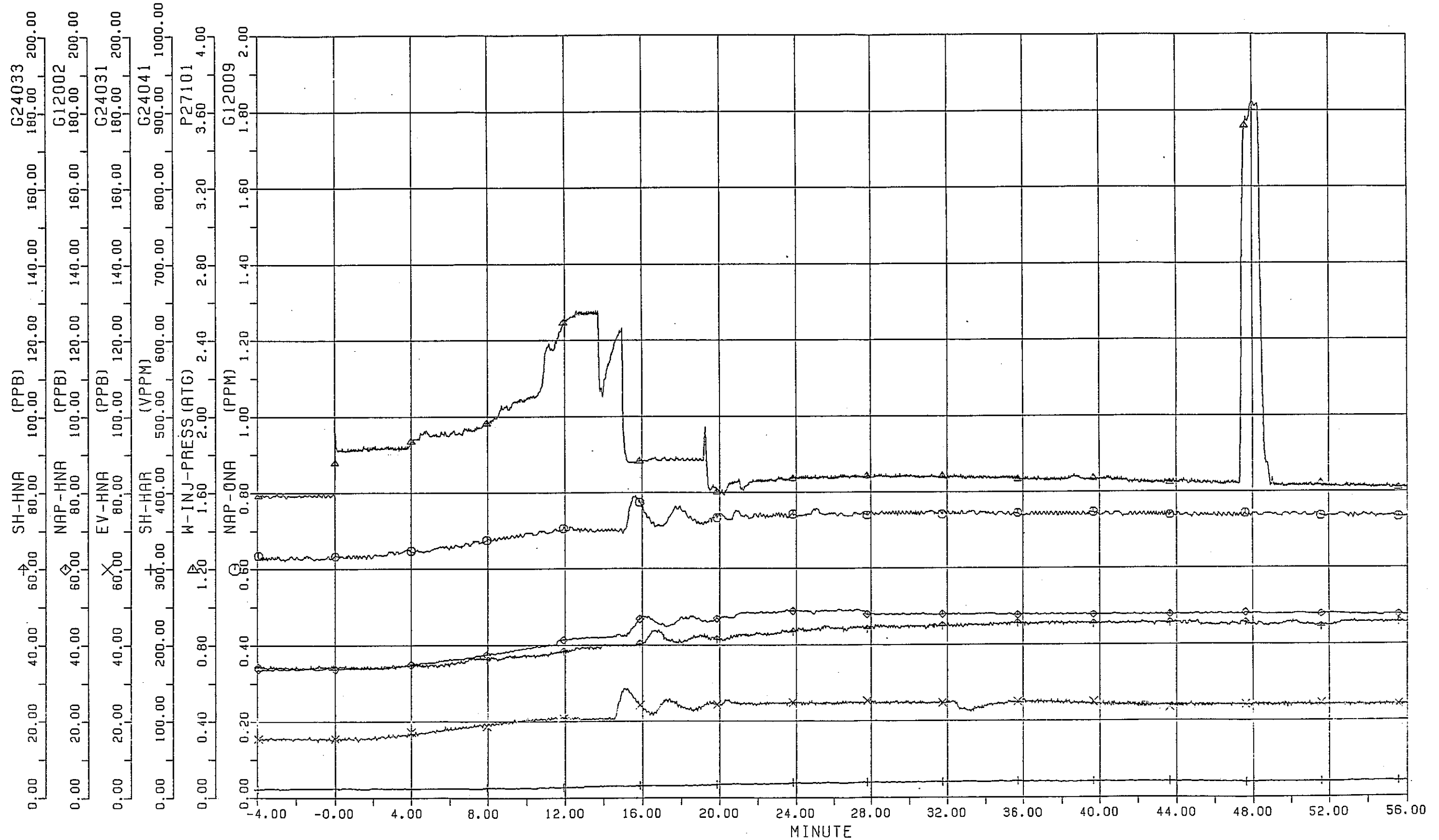
NATEMP= 310.0 NA FLOW = 795.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.005490 G/SEC
 79 NEN 11 GATS 05 NICHI 17 ZI 00 FUN 14 BYO WATER INJECTION TEST W111 11/5/79
 SAMPLING PERIOD 2.00

CASE W111 HYDROGEN INJECTION TEST

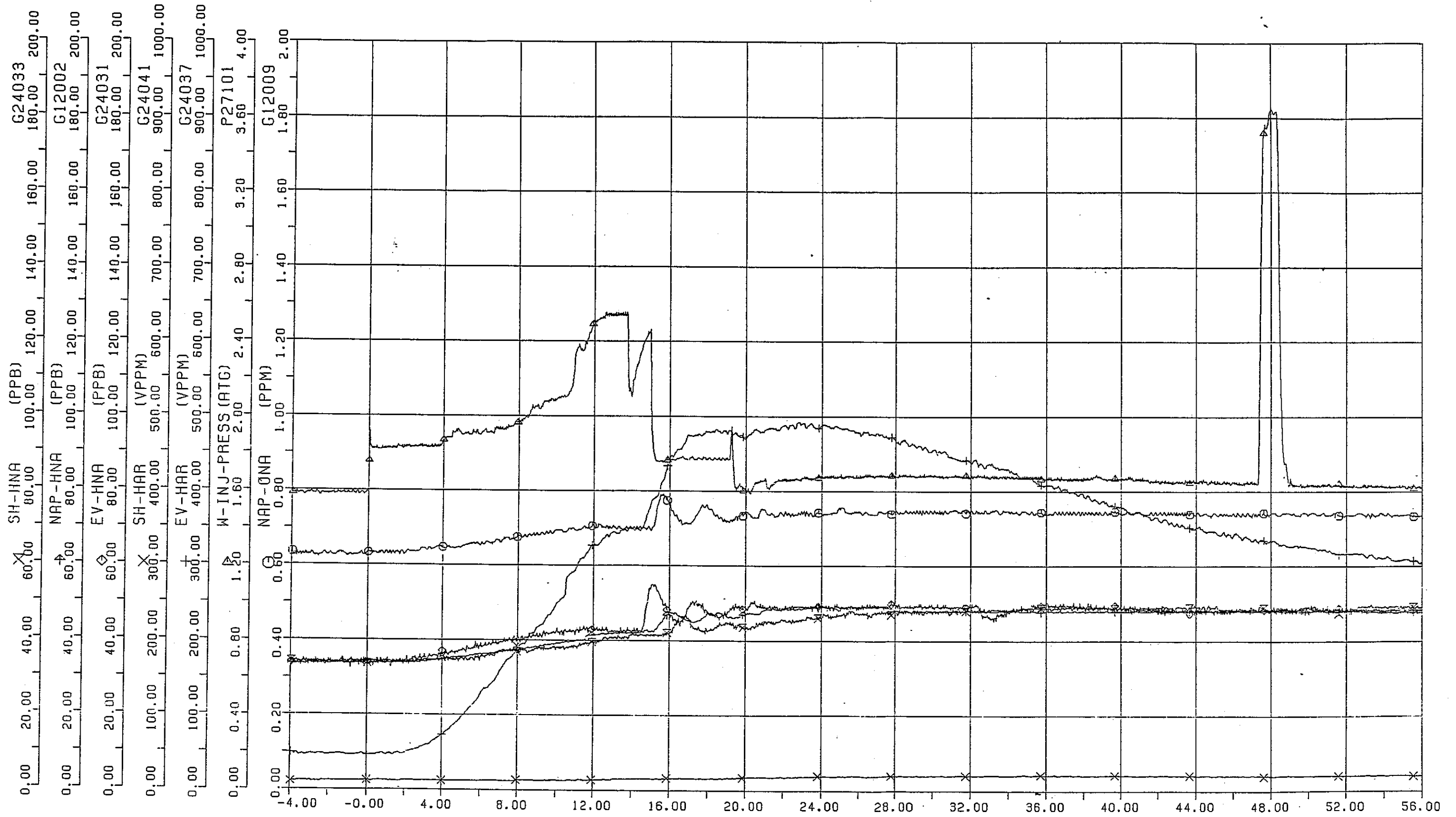


NATEMP= 310.0 NA FLOW = 795.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.005490 G/SEC
 79 NEN 11 GATS 05 NICHU 17 ZI 00 FUN 14 BY0 WATER INJECTION TEST W111 11/5/79
 SAMPLING PERIOD 2.00

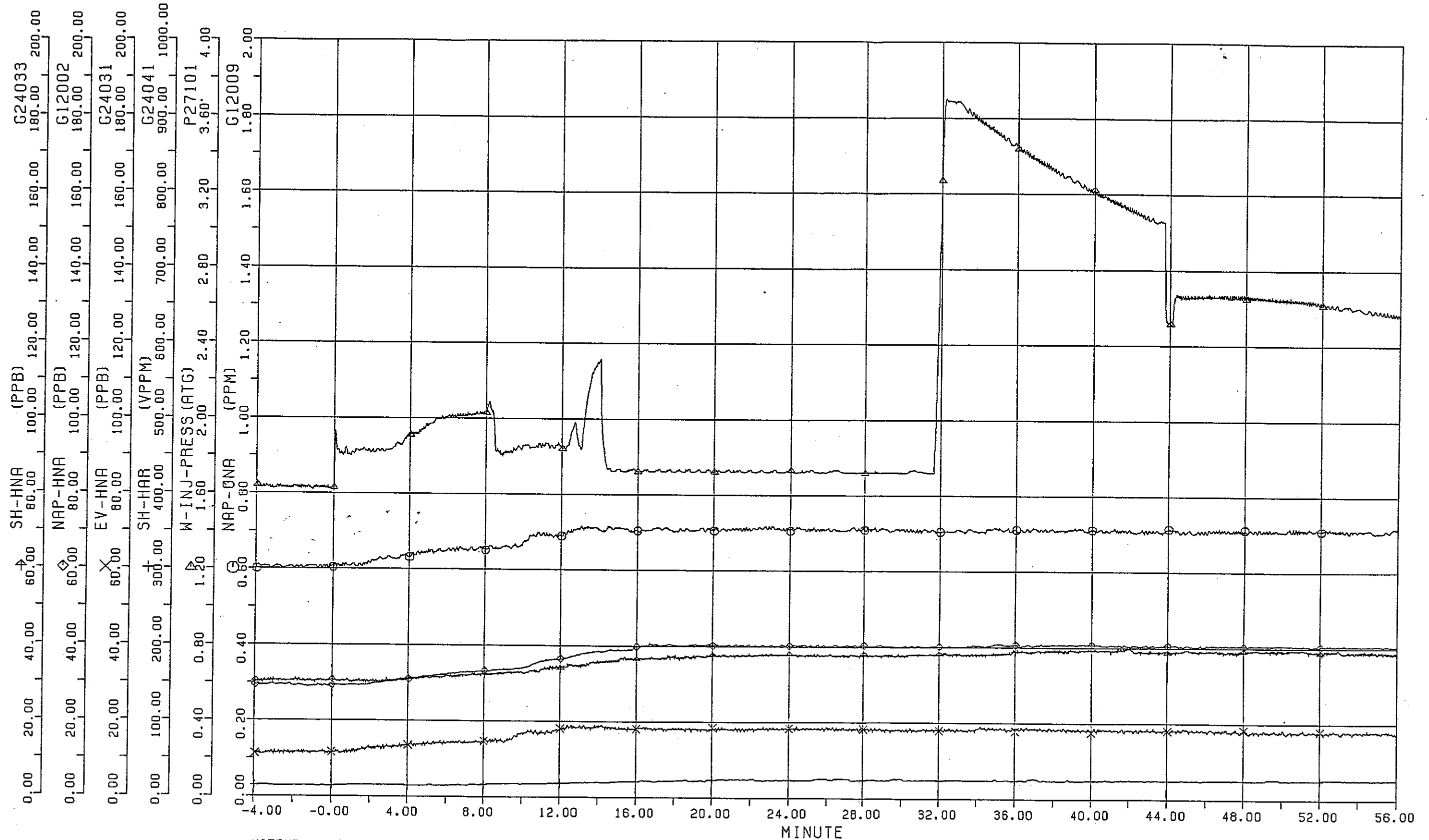
CASE W111 HYDROGEN INJECTION TEST



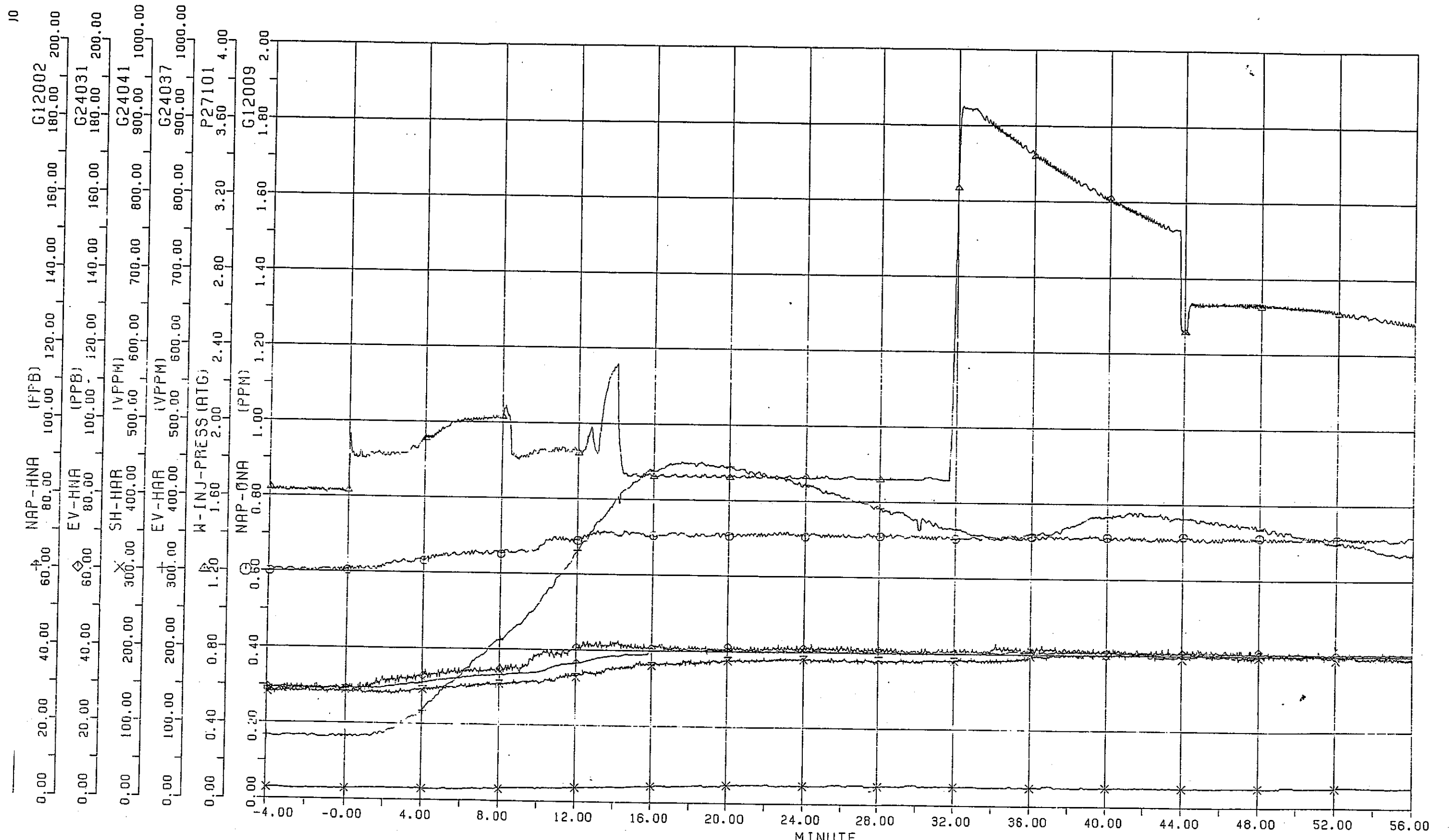
NATEMP= 203.0 NA FLOW = 800.0 T/H INJECTION TIME= 900.0 SECOND INJECT RATE= 0.011800 G/SEC
 79 NEN 11 GATS 07 NICHI 15 ZI 20 FUN 02 BYO WATER INJECTION TEST W113 11/7/79
 SAMPLING PERIOD 2.00 CASE W113 HYDROGEN INJECTION TEST



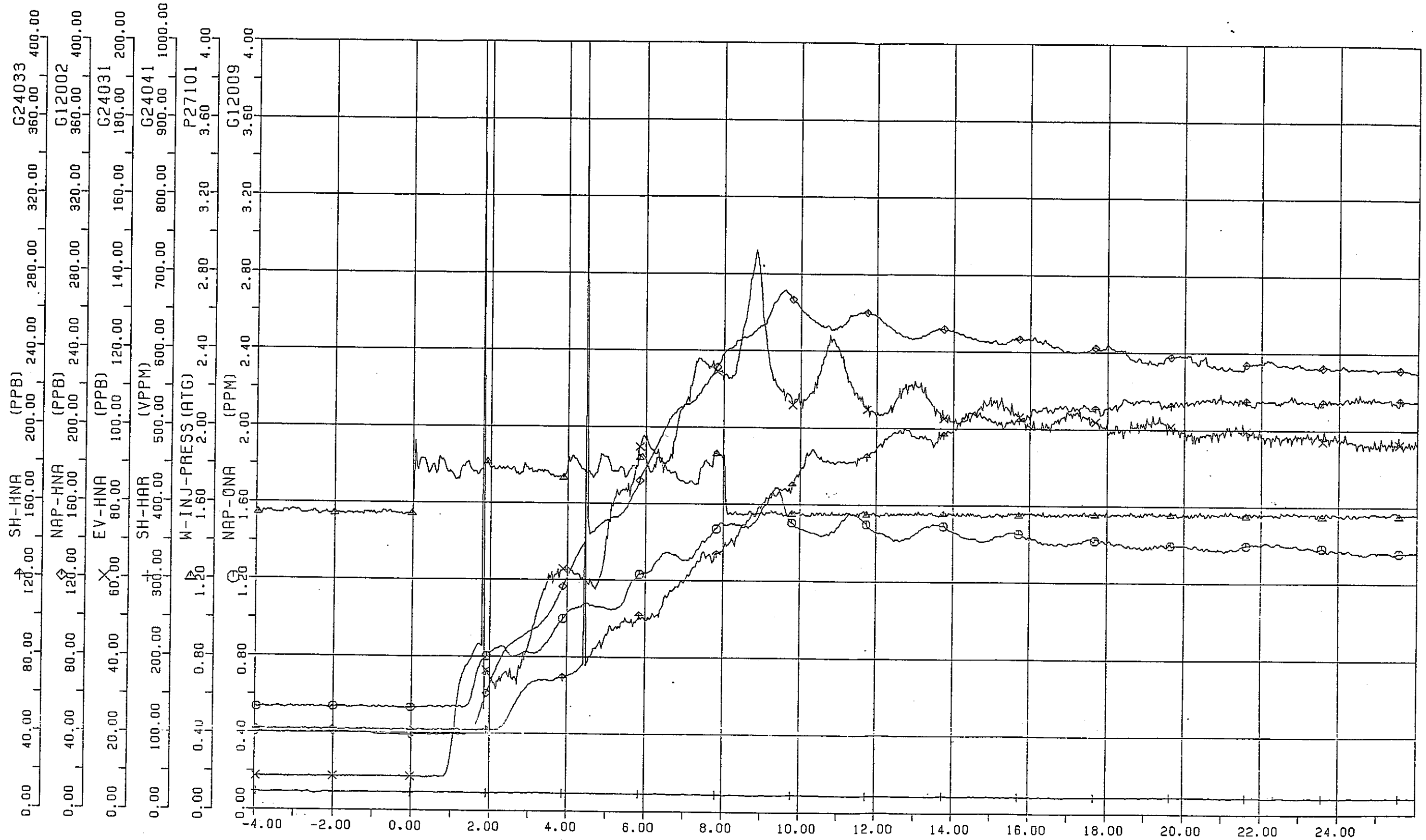
NATEMP= 203.0 NA FLOW = 800.0 T/H INJECTION TIME= 900.0 SECOND INJECT RATE= 0.011800 G/SEC
 79 NEN 11 GATS 07 NICHI 15 ZI 20 FUN 02 BYO WATER INJECTION TEST W113 11/7/79
 SAMPLING PERIOD 2.00
 CASE W113 HYDROGEN INJECTION TEST



NATEMP= 203.0 NA FLOW = 800.0 T/H INJECTION TIME= 900.0 SECOND INJECT RATE= 0.011800 G/SEC
 79 NEN 11 GATS 08 NICHI 11 ZI 05 FUN 02 BY0 WATER INJECTION TEST W112 11/8/79
 SAMPLING PERIOD 2.00
 CASE W113A HYDROGEN INJECTION TEST

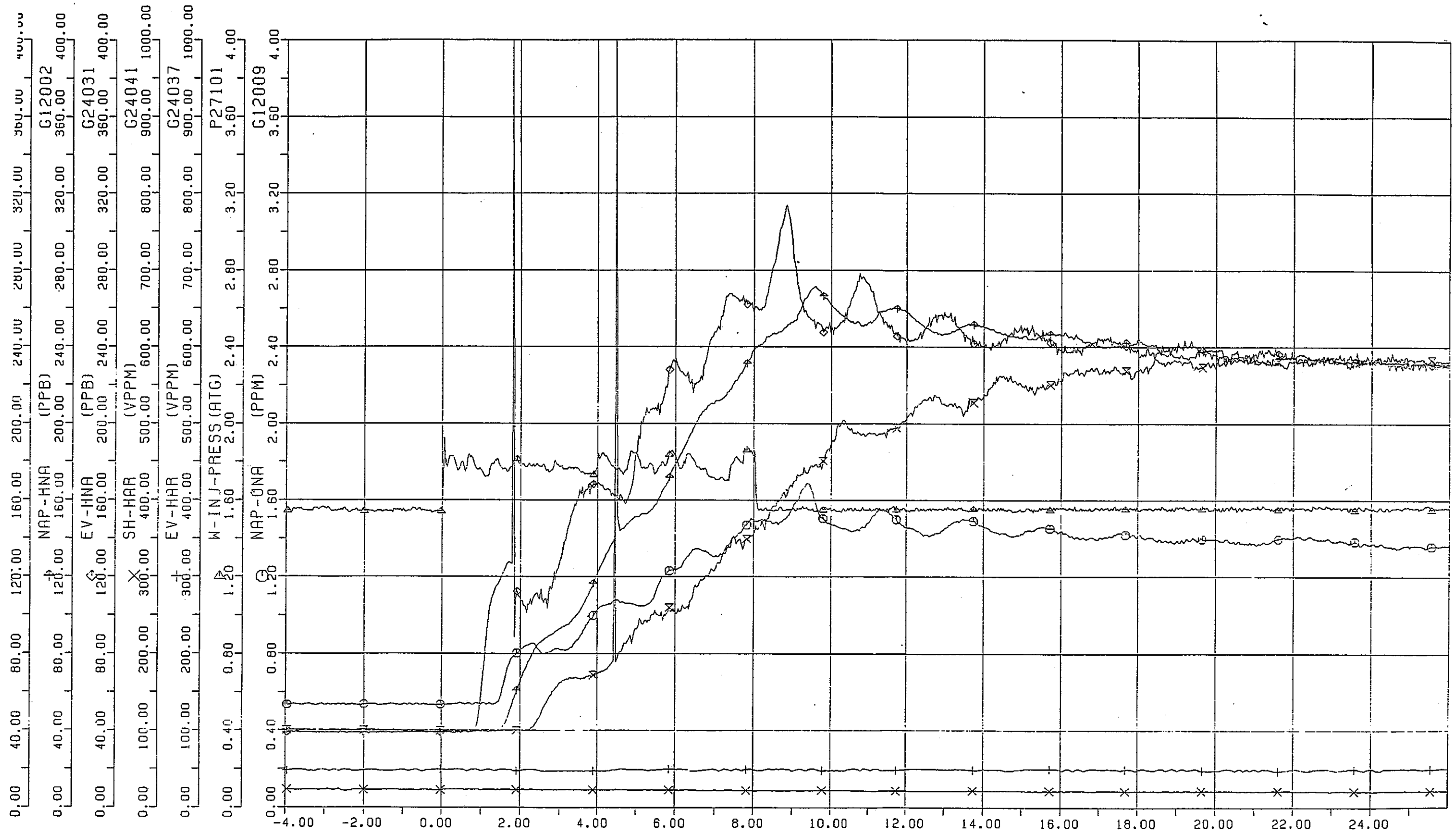


NATEMP= 190.0 NA FLOW = 800.0 T/H INJECTION TIME= 840.0 SECOND INJECT RATE= 0.010800 G/SEC
 79 NEN 11 GATS 08 NICHI 11 ZI 05 FUN 02 BY0 WATER INJECTION TEST W112 11/8/79
 SAMPLING PERIOD 2.00
 W113A CASE W113A HYDROGEN INJECTION TEST

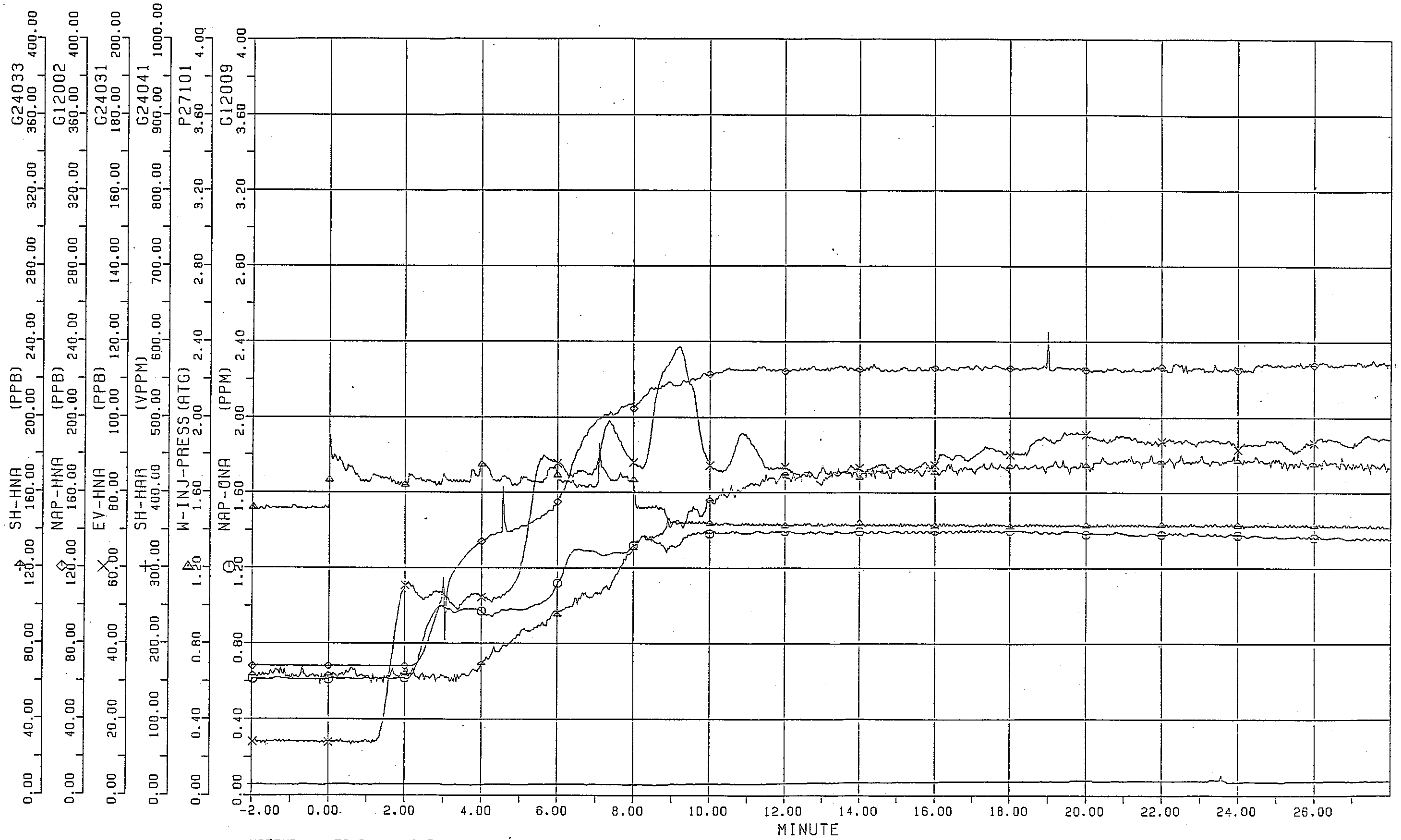


NATEMP= 458.0 NA FLOW = 780.0 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.154000 G/SEC
 79 NEN 11 GATS 27 NICHI 14 ZI 21 FUN 01 BYO WATER INJECTION TEST W114 11/27/79 TANAKA
 SAMPLING PERIOD 2.00

CASE W114 HYDROGEN INJECTION TEST

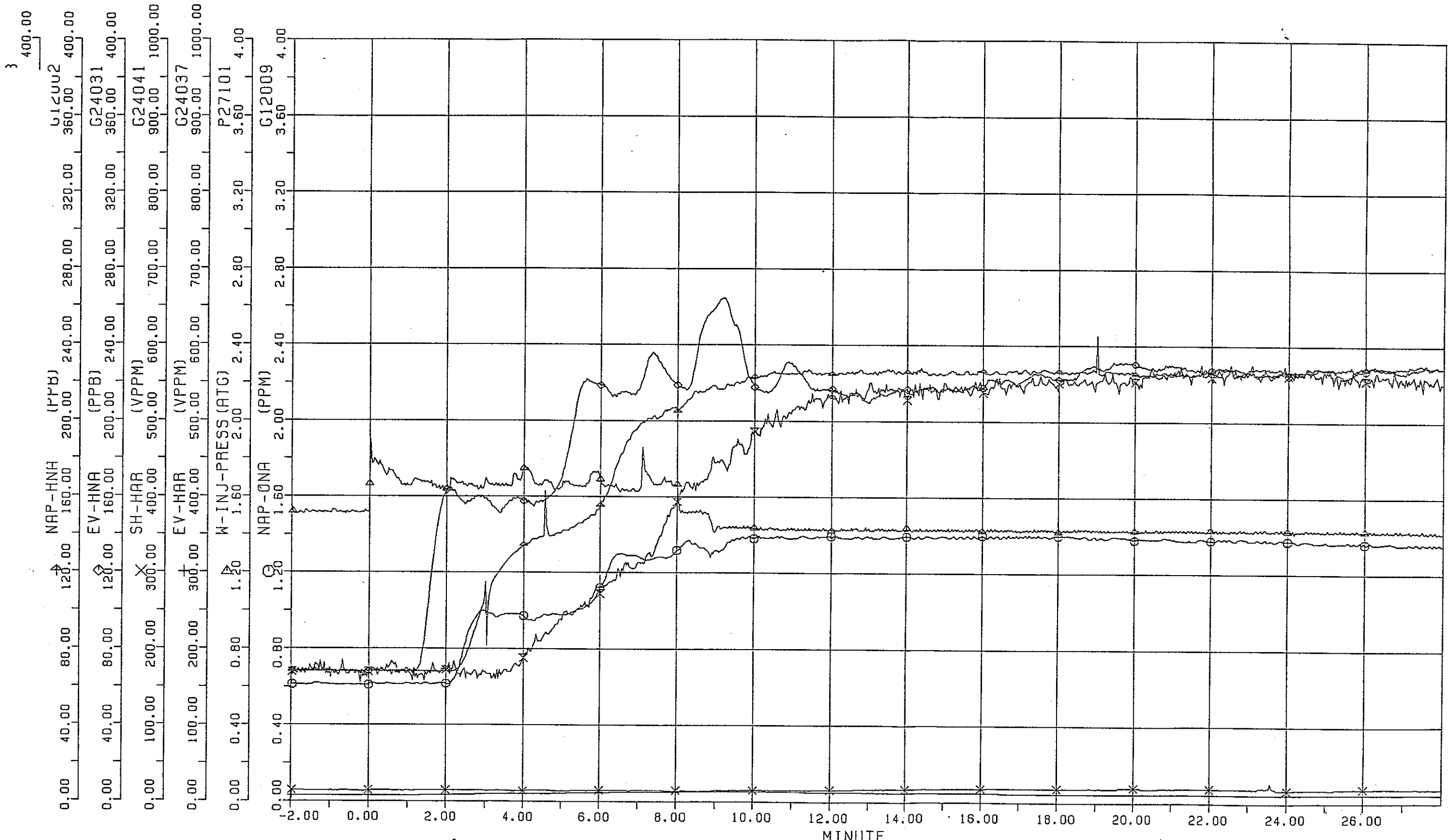


NATEMP= 458.0 NA FLOW = 780.0 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.154000 G/SEC
 79 NEN 11 GATS 27 NICHI 14 ZI 21 FUN 01 BYO WATER INJECTION TEST W114 11/27/79 TANAKA
 SAMPLING PERIOD 2.00
 CASE W114 HYDROGEN INJECTION TEST



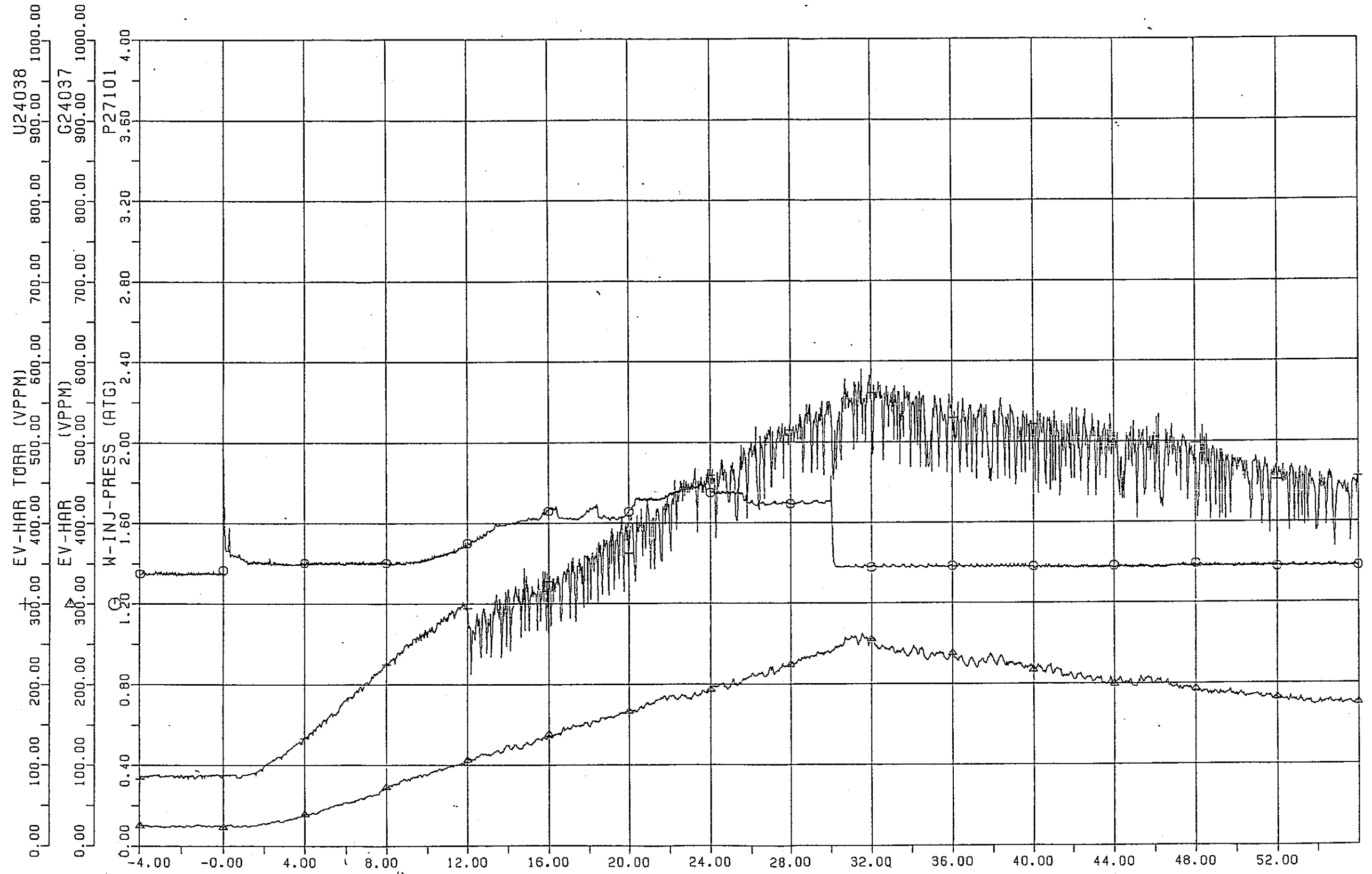
NATEMP= 456.0 NA FLOW = 425.0 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.120000 G/SEC
 79 NEN 12 GATS 14 NICHI 14 ZI 41 FUN 24 BYO WATER INJECTION TEST W115 14/12/79
 SAMPLING PERIOD 2.00

CASE W115 HYDROGEN INJECTION TEST

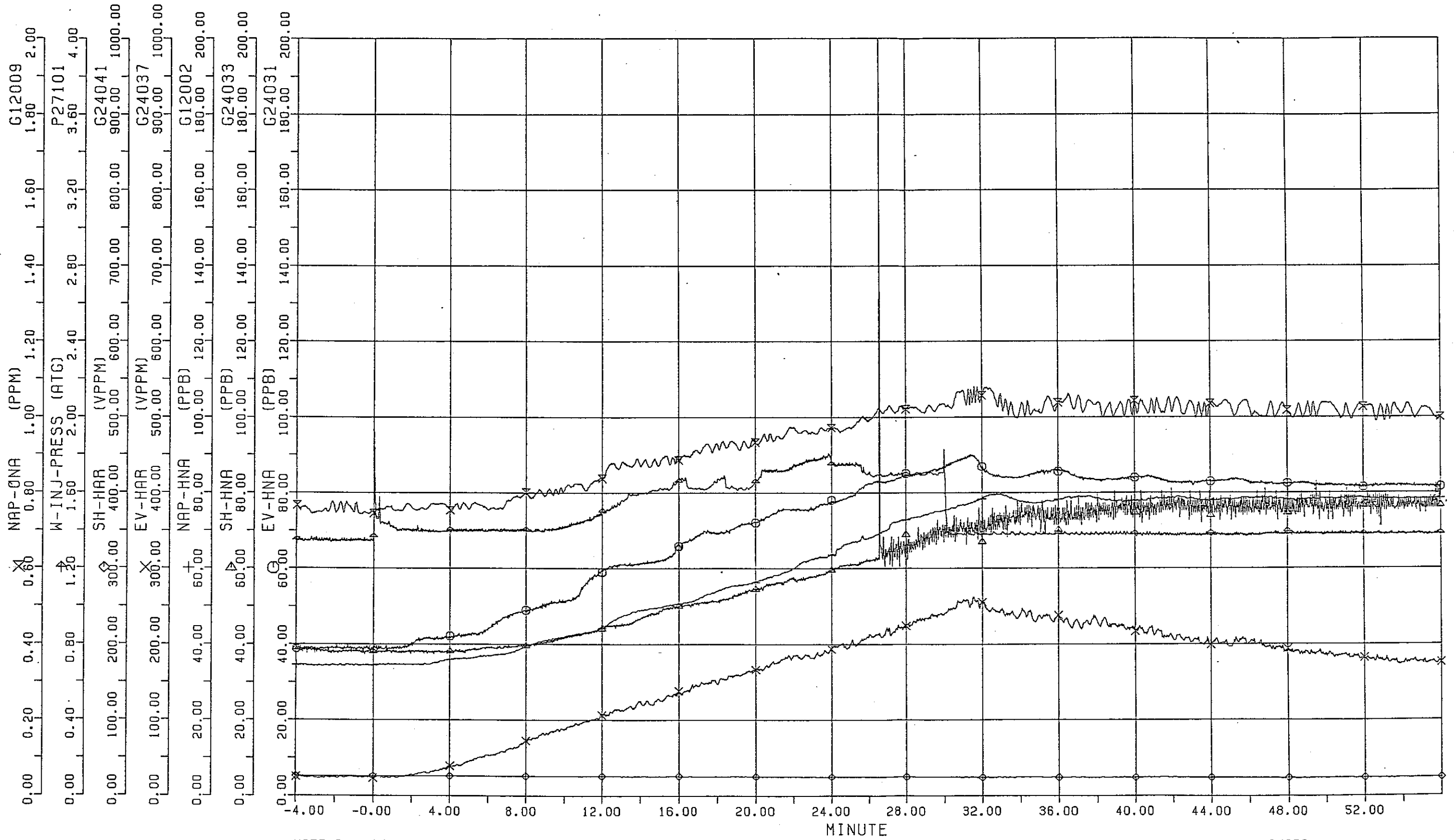


NATEMP= 456.0 NA FLOW = 425.0 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.120000 G/SEC
 79 NEN 12 GATS 14 NICH1 14 ZI 41 FUN 24 BYO WATER INJECTION TEST W115 14/12/79
 SAMPLING PERIOD 2.00

CASE W115 HYDROGEN INJECTION TEST

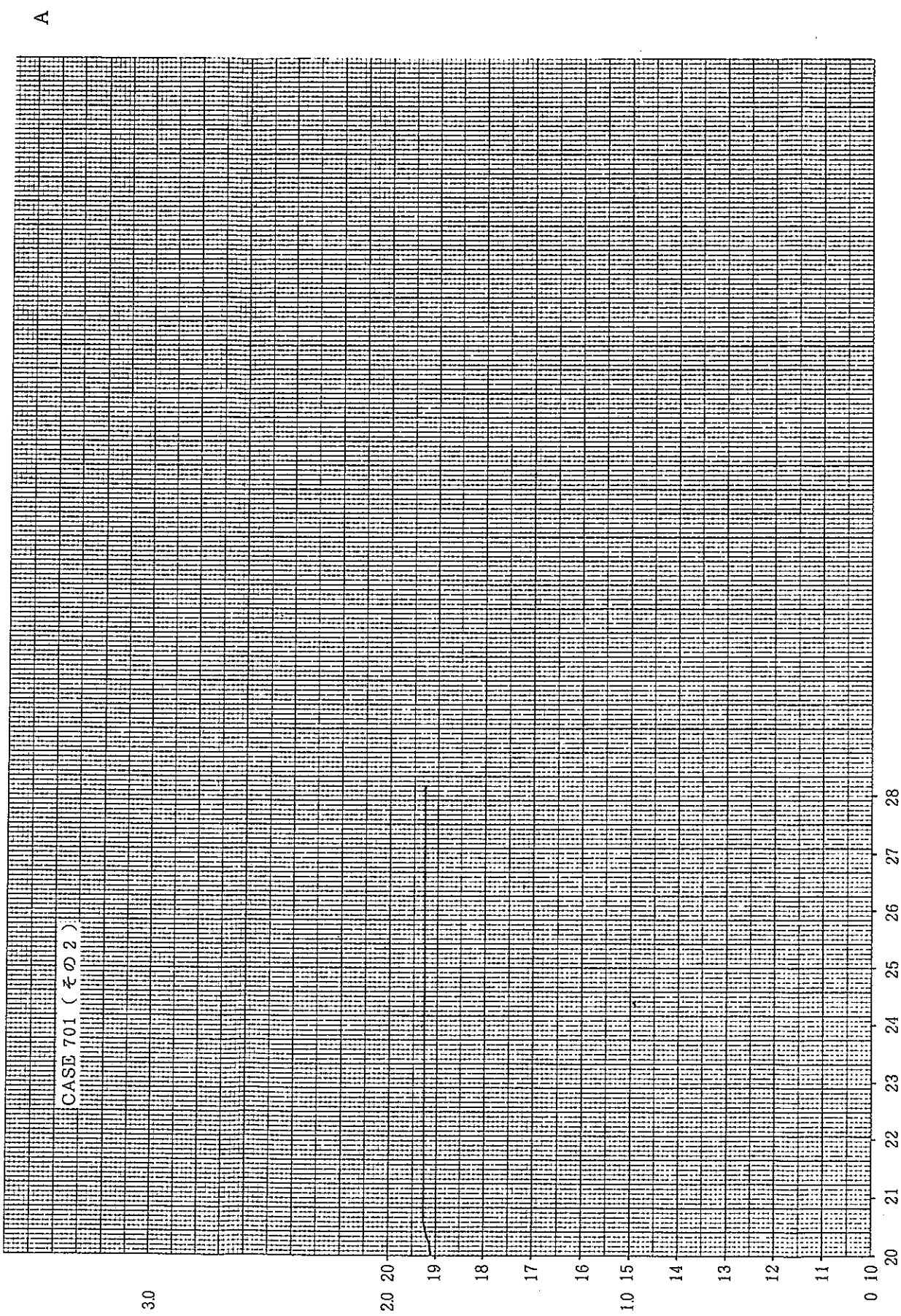
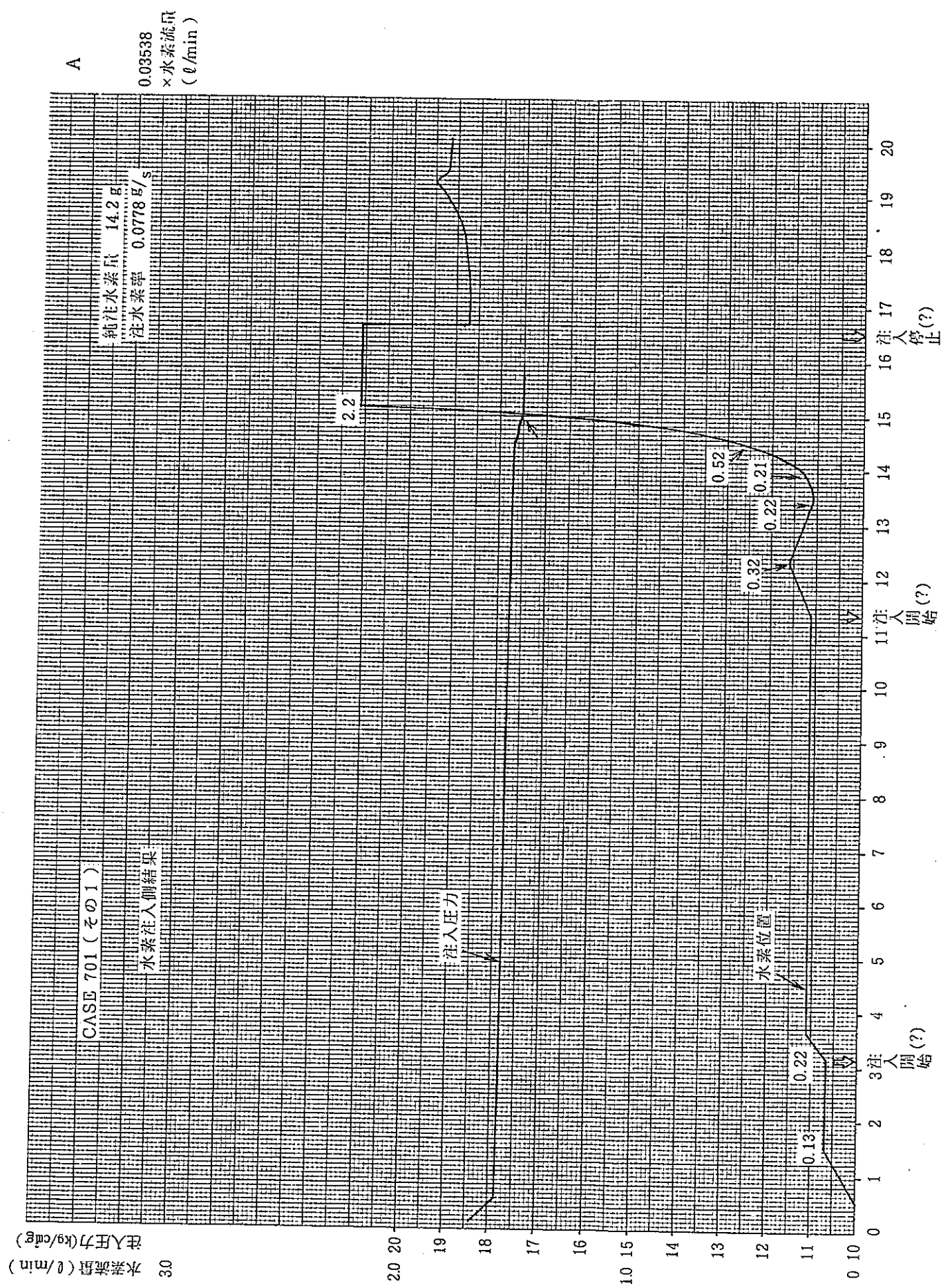


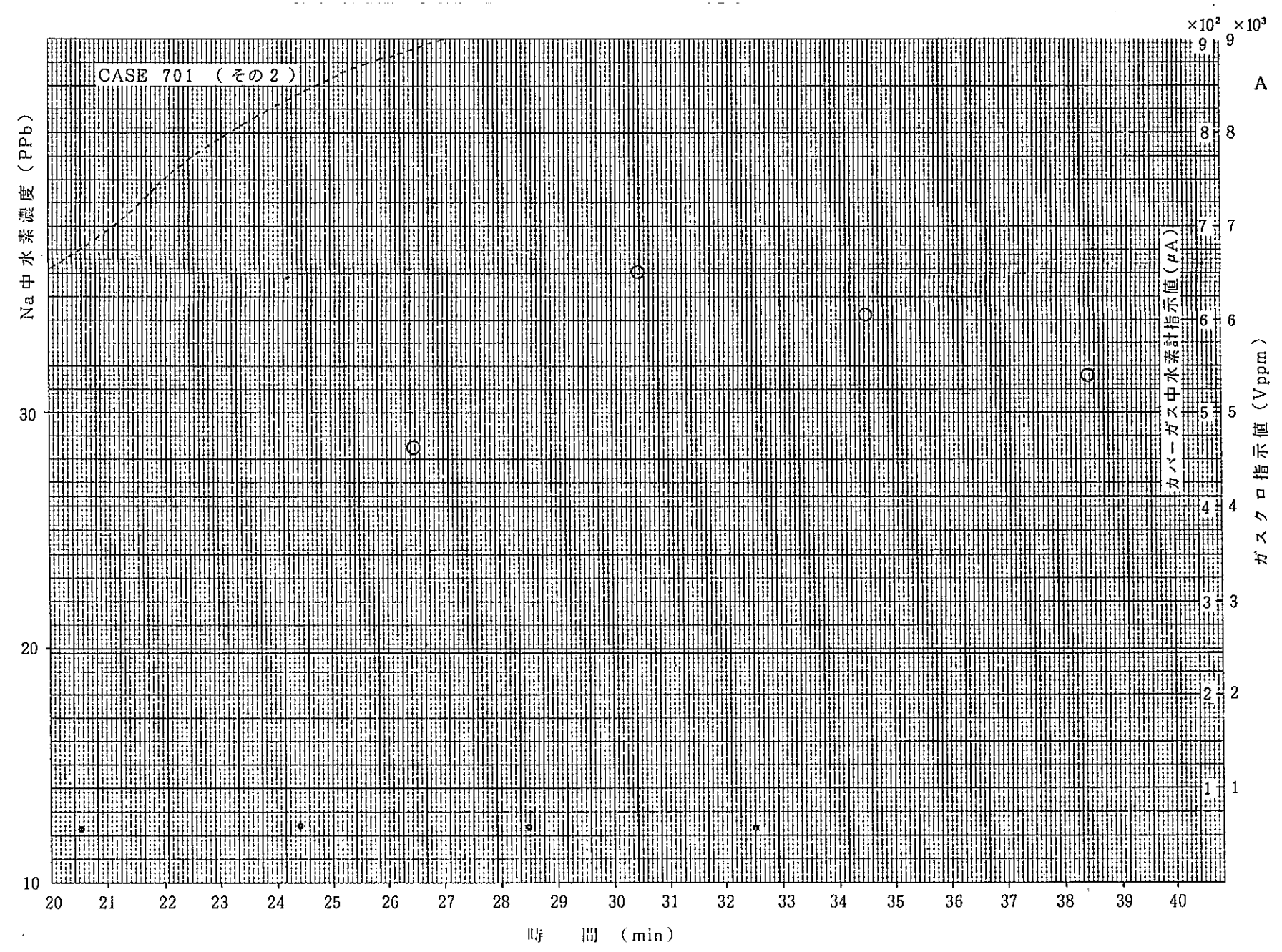
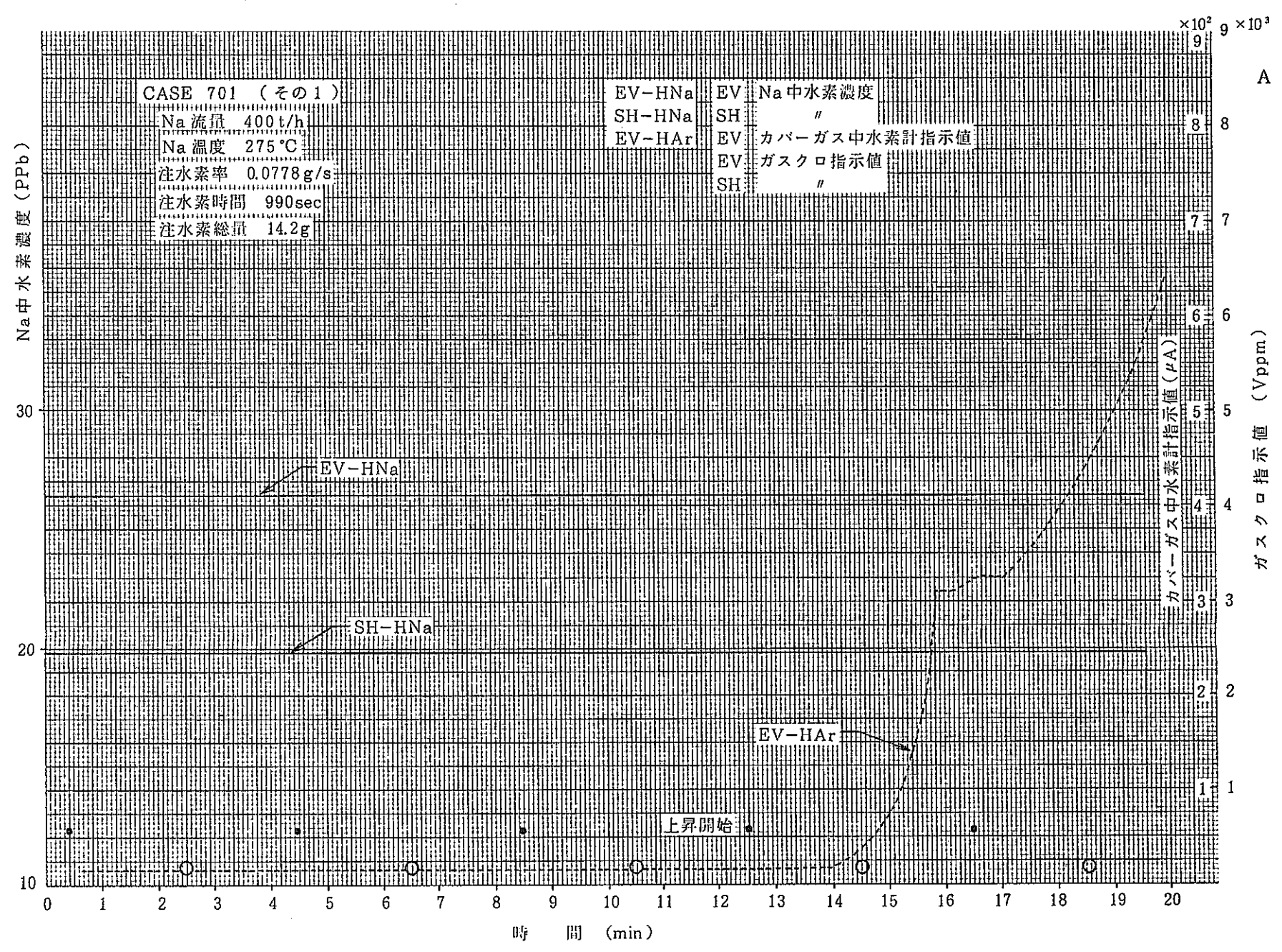
NATEMP= 351.9 NA FLOW = 355.4 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.011300 G/SEC
81 NEN 10 GATS 23 NICH1 11 ZI 06 FUN 39 BYO HYDROGEN INJECTION TEST
SAMPLING PERIOD 2.00 CASE W117 WATER INJECTION TEST



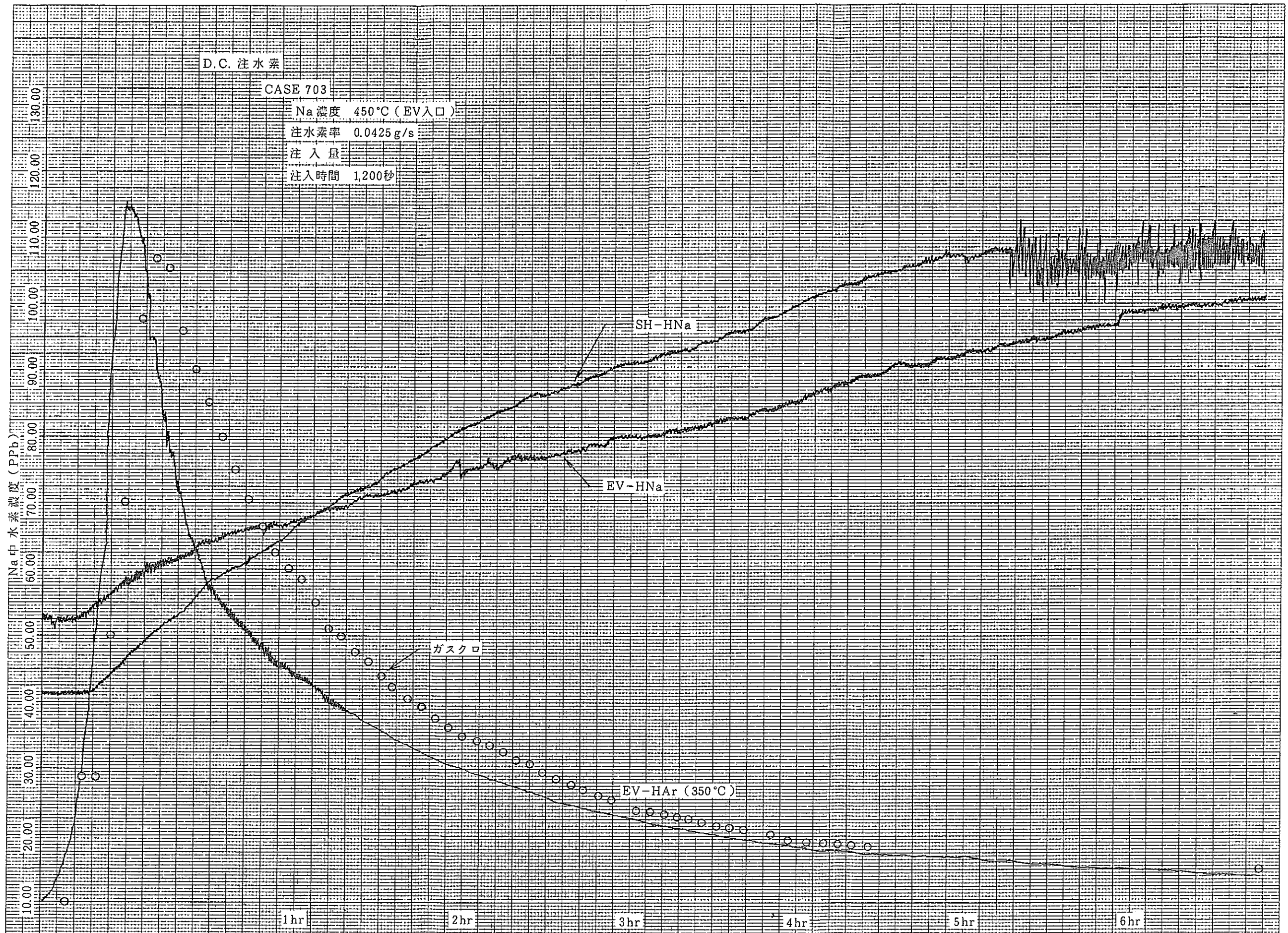
NATEMP= 351.9 NA FLOW = 355.4 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.011300 G/SEC
 81 NEN 10 GATS 23 NICHI 11 ZI 06 FUN 39 BY0 HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00
 CASE W117 WATER INJECTION TEST

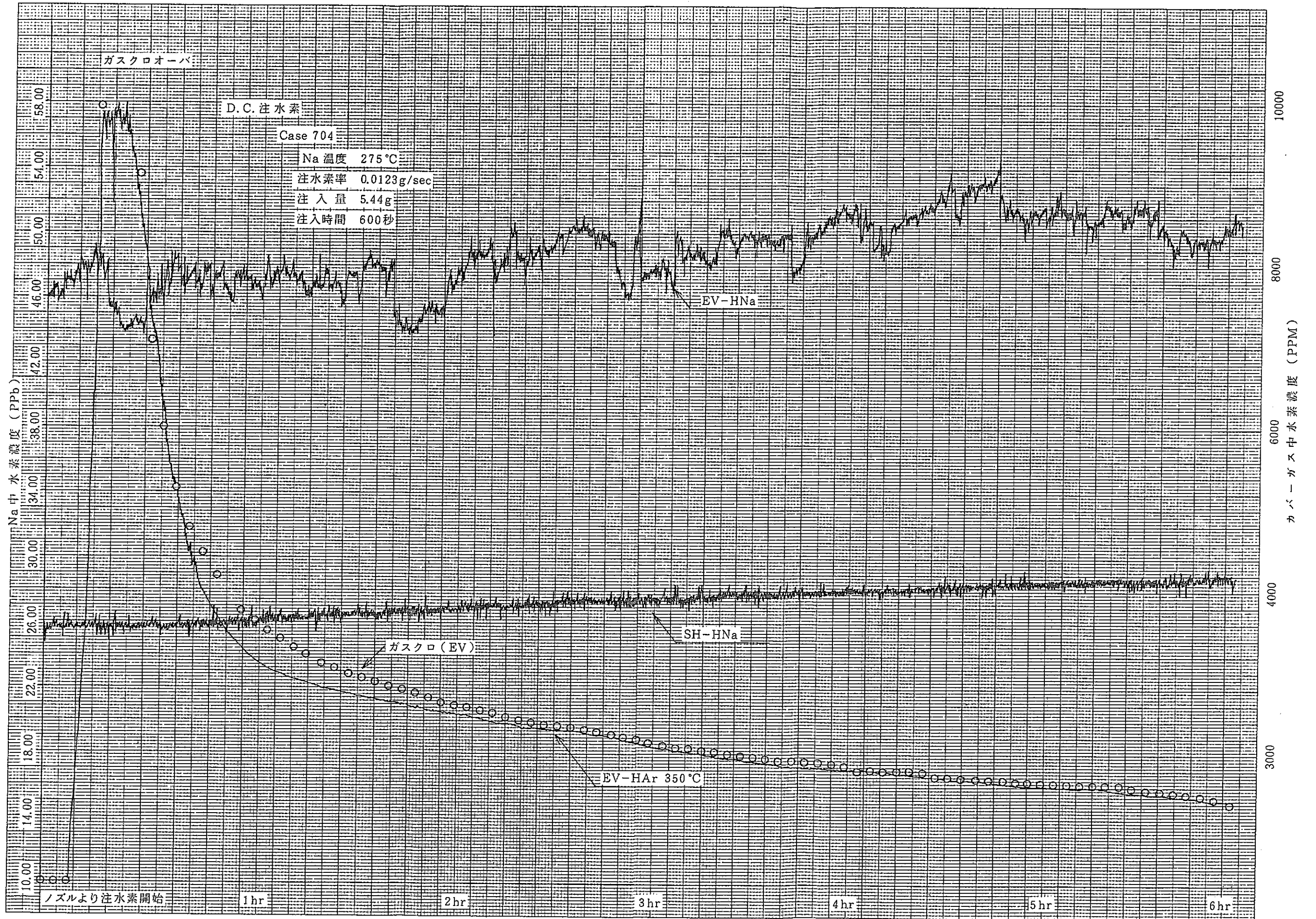
WT

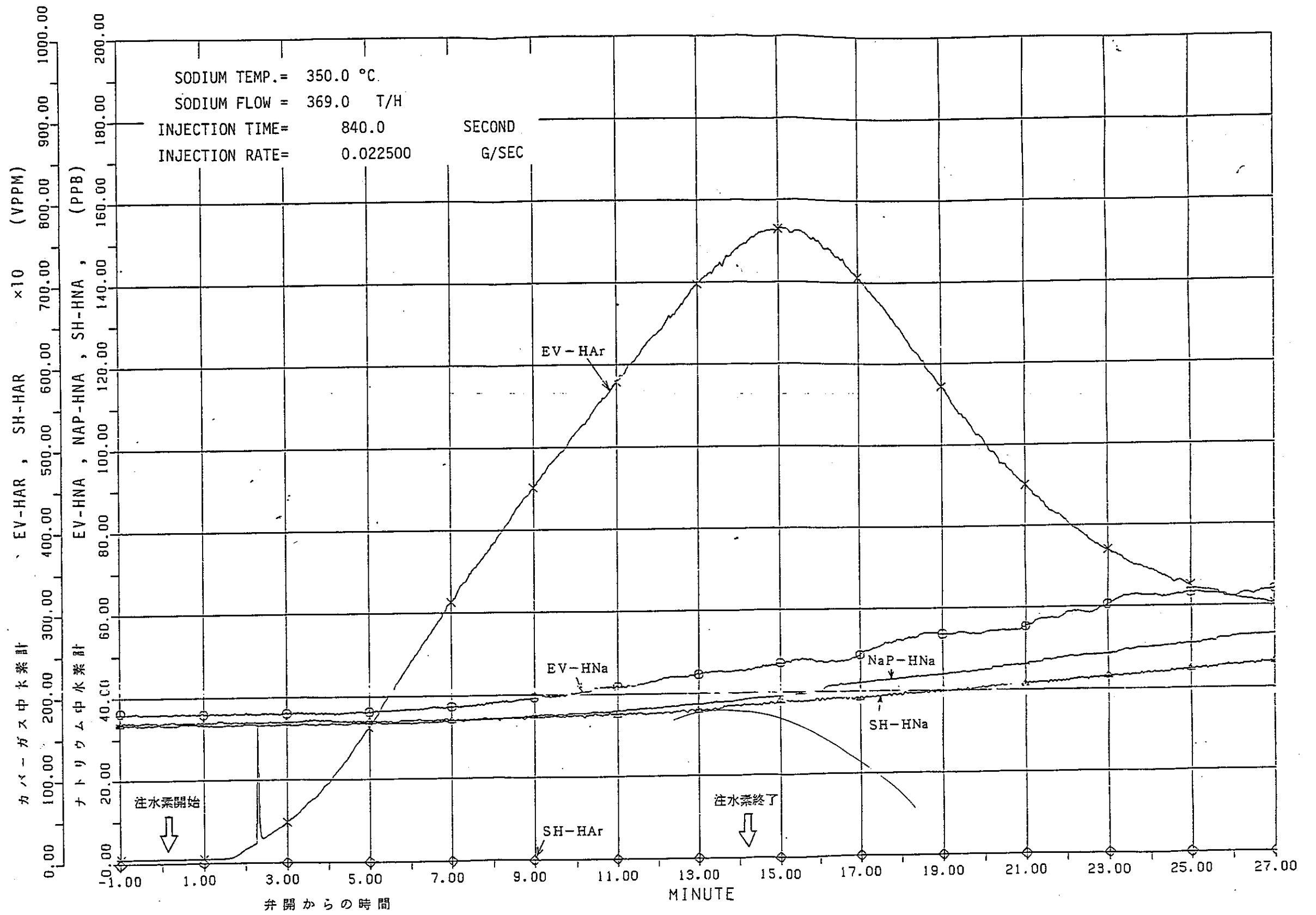




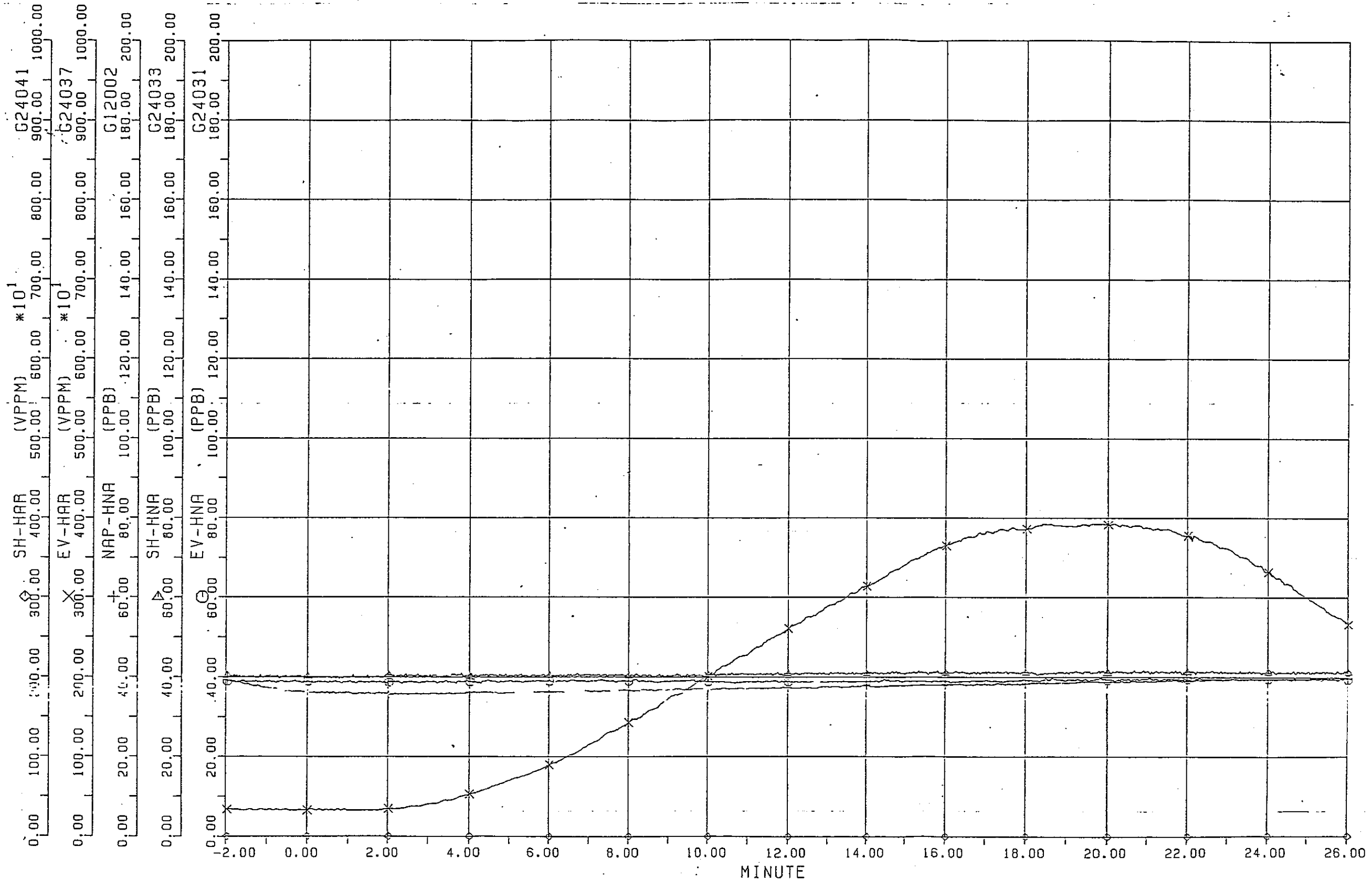
この頁はPDF化されていません。
内容の閲覧が必要な場合は、技術資料管理
担当箇所で原本冊子を参照して下さい。



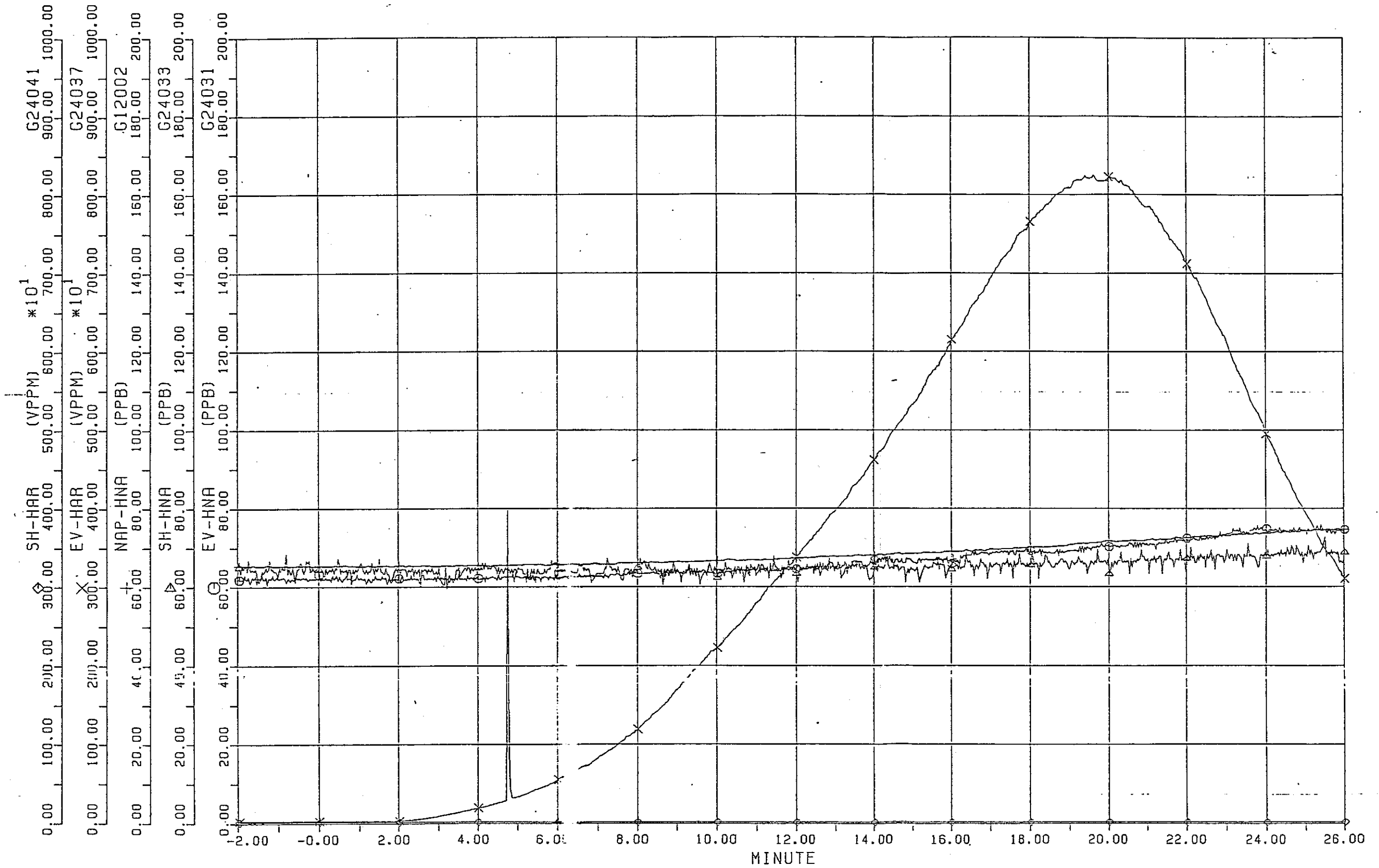




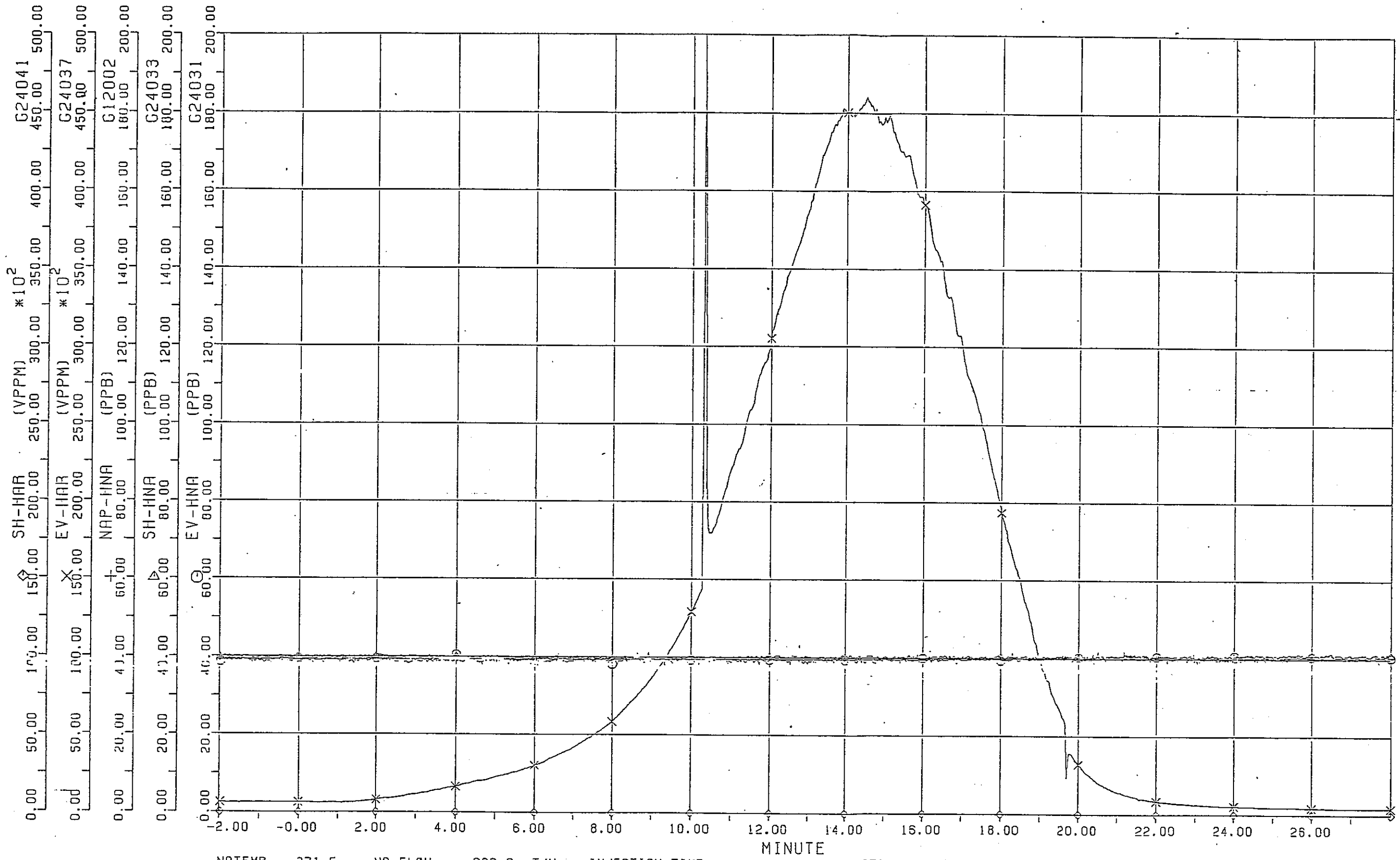
Run 705 注水素試験



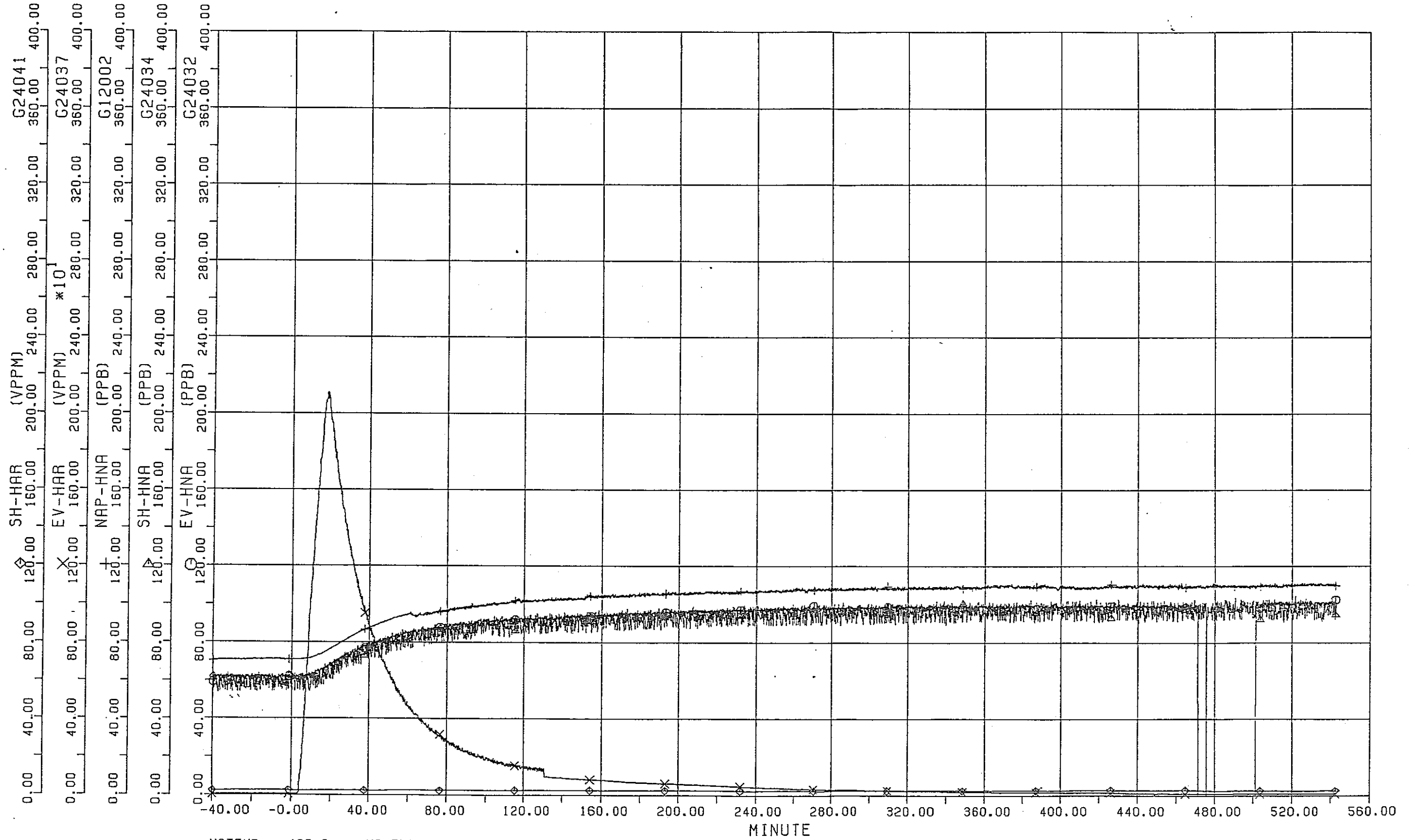
NATEMP= 265.4 NA FLOW = 370.4 T/H INJECTION TIME= 1200.0 SECOND INJECT RATE= 0.005000 G/SEC
 80 NEN 11 GATS 23 NICHI 10 ZI 40 FUN 51 BYO CASE 706 DC INJECTION
 SAMPLING PERIOD 2.00
 CASE C706 HYDROGEN INJECTION TEST



NATEMP= 451.9 NA FLOW = 375.0 T-H INJECTION TIME= 960.0 SECOND INJECT RATE= 0.005610 G/SEC
80 NEN 12 GATS 13 NICH 08 ZI 54 FUN 03 BY0 CASE 707 DC INJECTION
SAMPLING PERIOD 2.00
CASE C707 HYDROGEN INJECTION TEST.

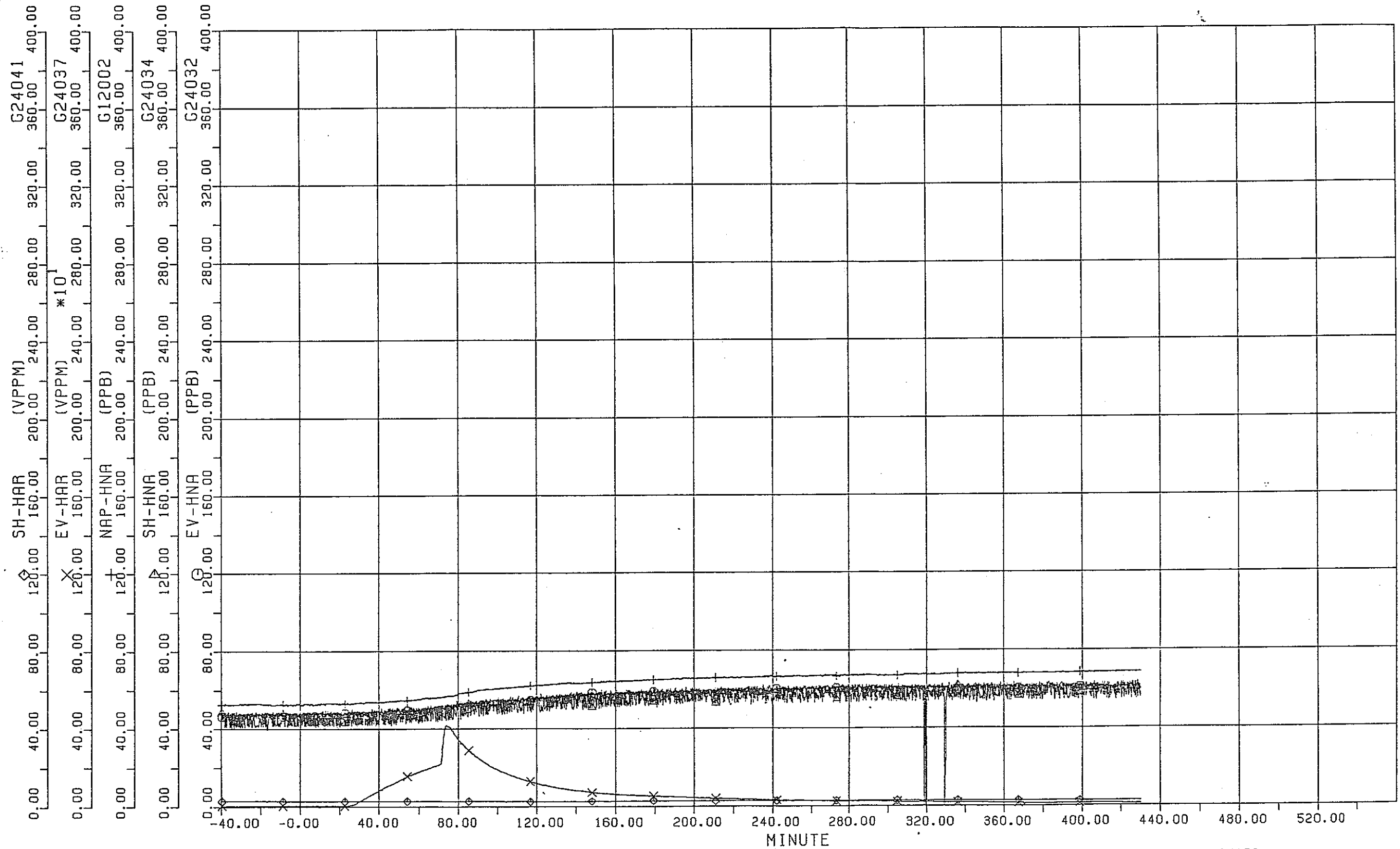


NATEMP= 271.5 NA FLOW = 382.6 T/H INJECTION TIME= 480.0 SECOND INJECT RATE= 0.006000 G/SEC
 81 NEN 07 GATS 28 NICHI 12 ZI 33 FUN 09 BYO HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00
 CASE C708 HYDROGEN INJECTION TEST



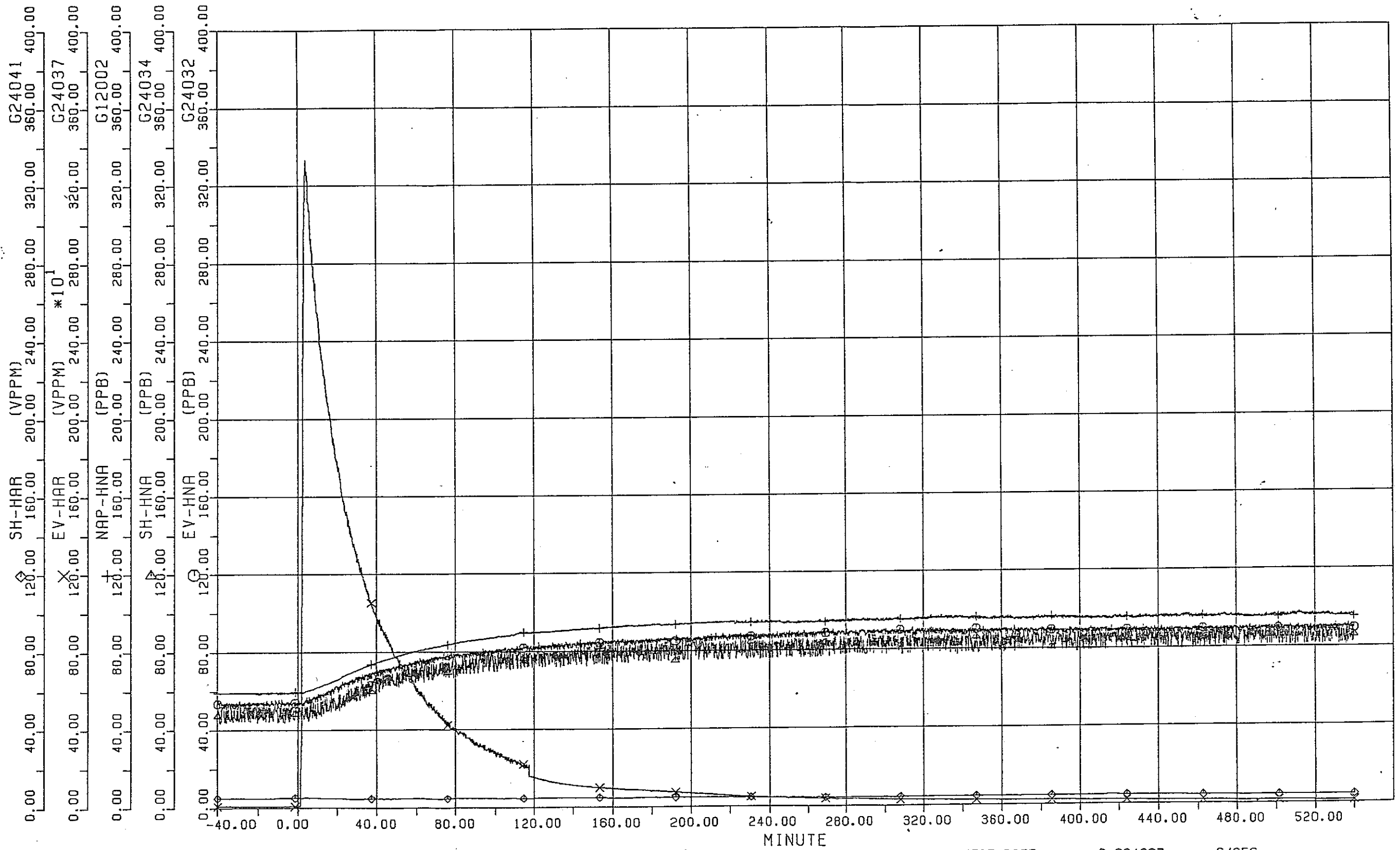
NATEMP= 469.3 NA FLOW = 798.8 T/H INJECTION TIME= 900.0 SECOND INJECT RATE= 2.259998 G/SEC
 83 NEN 11 GATS 19 NICHI 13 ZI 02 FUN 58 BYO #2-3261 RUN-709
 SAMPLING PERIOD 10.00

CASE C709 HYDROGEN INJECTION TEST

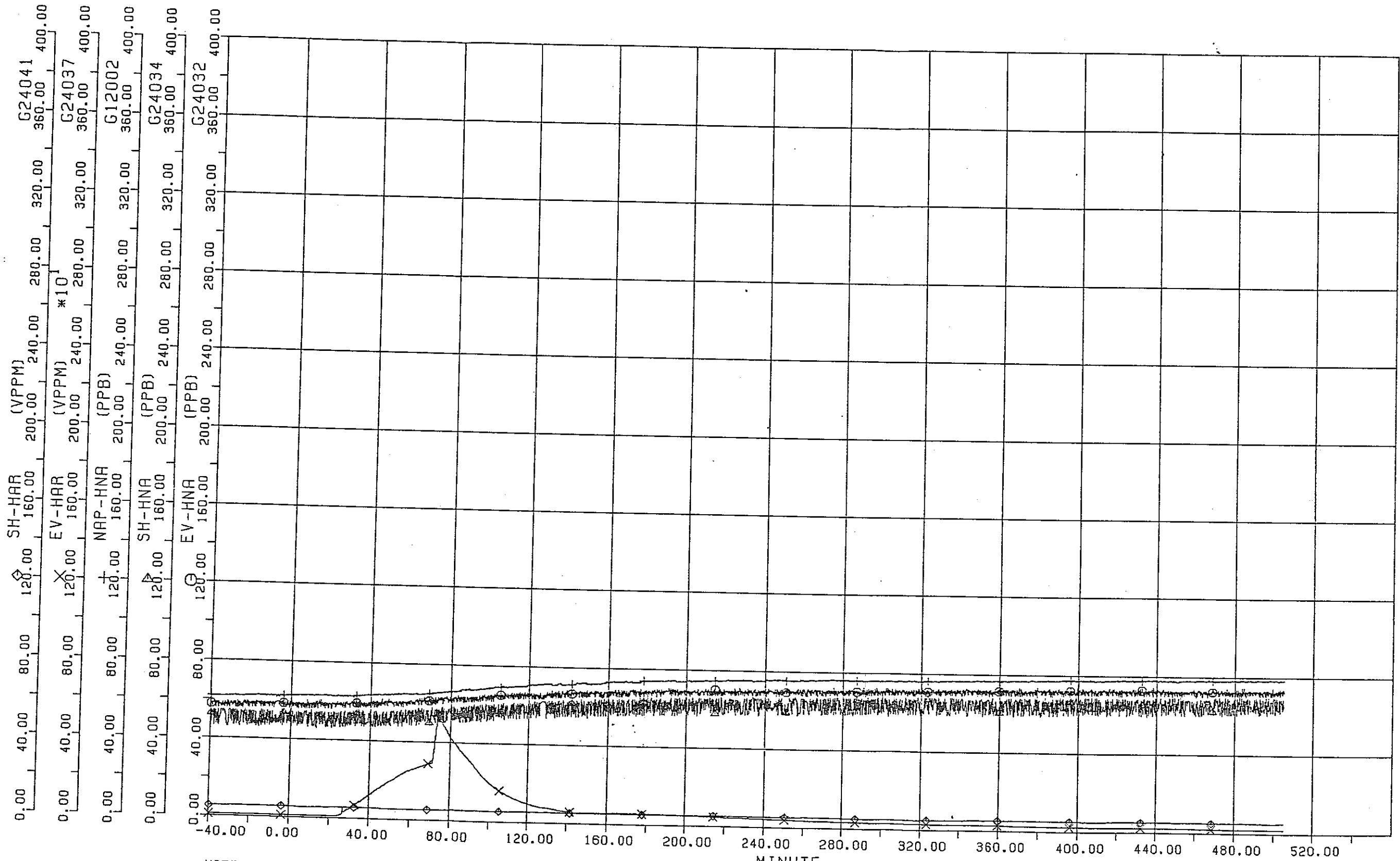


NATEMP= 469.5 NA FLOW = 603.9 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.839999 G/SEC
 83 NEN 11 GATS 18 NICHI 15 ZI 17 FUN 02 BY0 RUN-710
 SAMPLING PERIOD 10.00

CASE C710 HYDROGEN INJECTION TEST

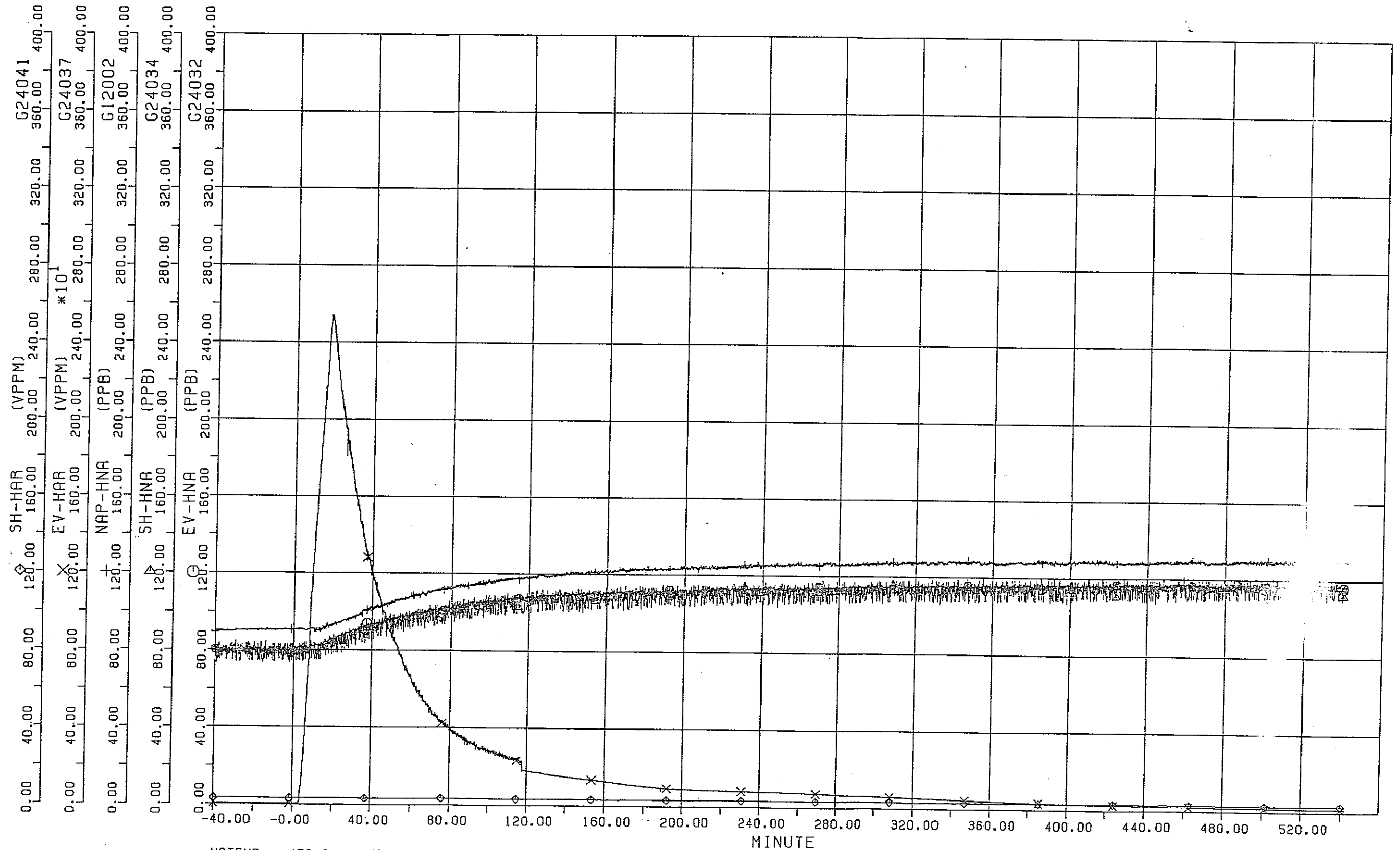


NATEMP= 469.0 NA FLOW = 399.5 T/H INJECTION TIME= 90.0 SECOND INJECT RATE= 2.024997 G/SEC
83 NEN 11 GATS 12 NICHI 08 ZI 59 FUN 57 BYO #2-3233 CASE 711
SAMPLING PERIOD 10.00
CASE C711 HYDROGEN INJECTION TEST



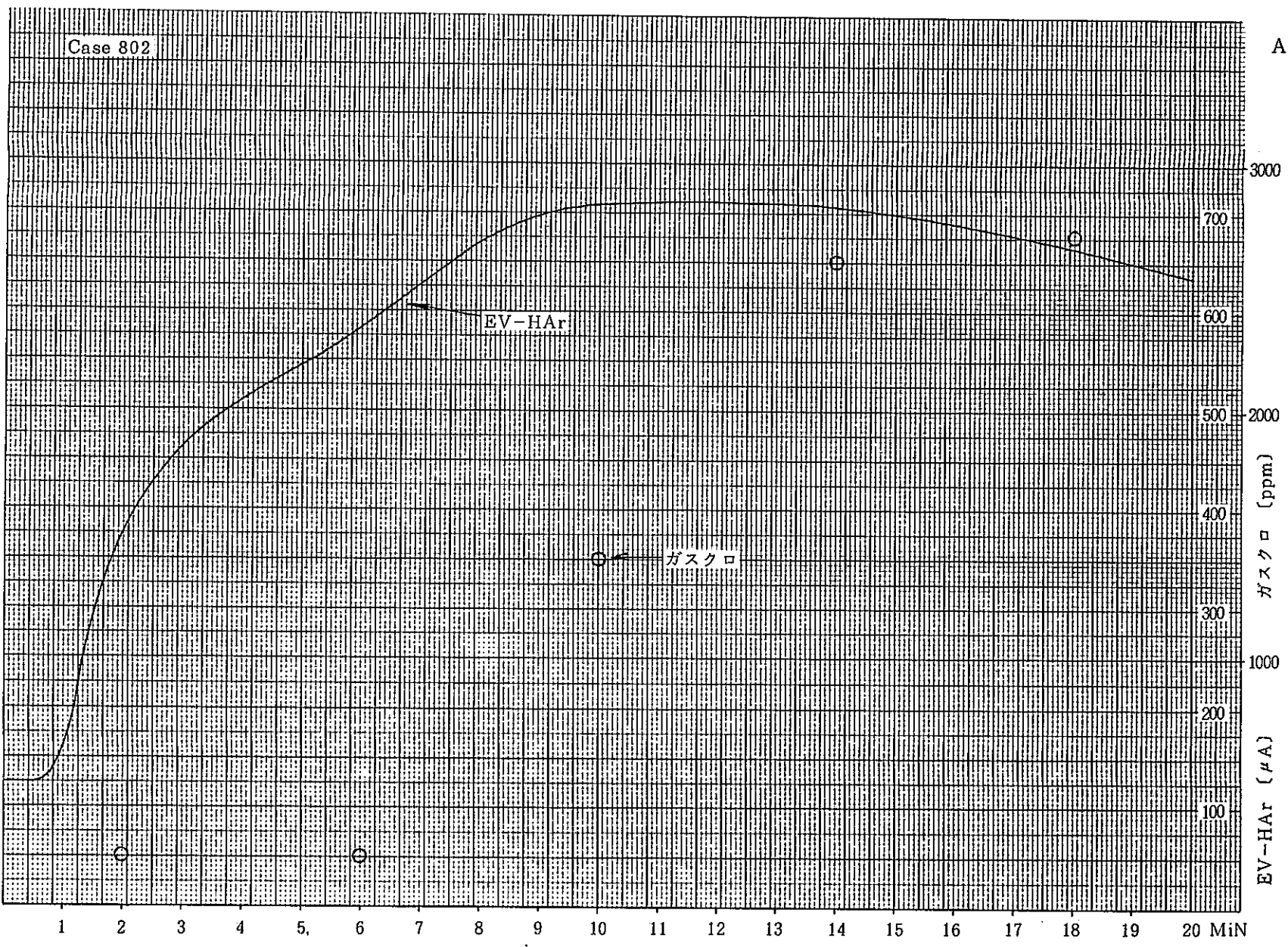
NATEMP= 470.1 NA FLOW = 238.7 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.839999 G/SEC
 83 NEN 11 GATS 11 NICH 10 ZI 11 FUN 51 BY0 #2-3230 CASE 712
 SAMPLING PERIOD 10.00

CASE C712 HYDROGEN INJECTION TEST

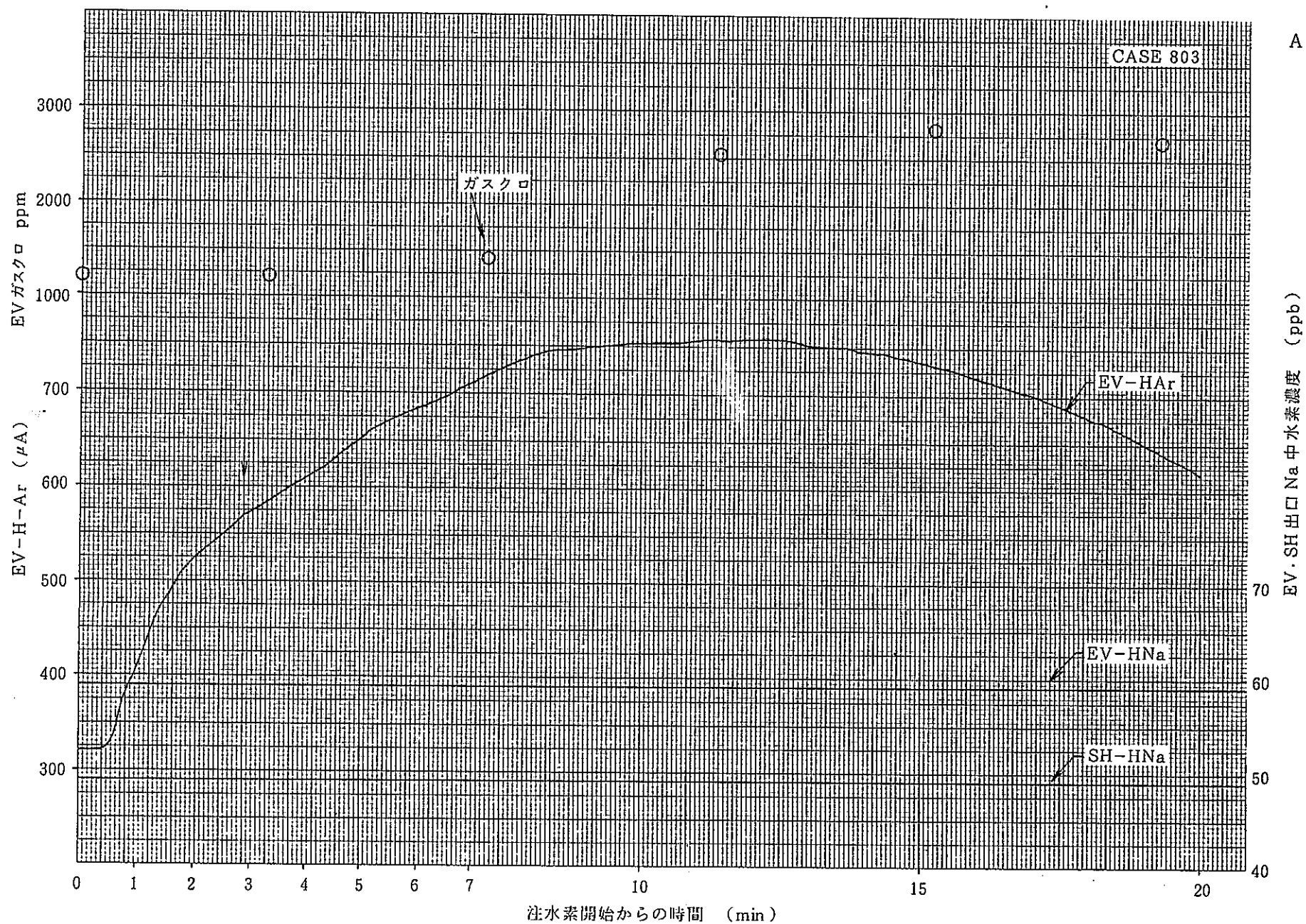


NATEMP= 470.0 NA FLOW = 397.4 T/H INJECTION TIME= 900.0 SECOND INJECT RATE= 2.258998 G/SEC
 83 NEN 11 GATS 20 NICHI 09 ZI 41 FUN 57 BYO #2-3262 RUN-713
 SAMPLING PERIOD 10.00

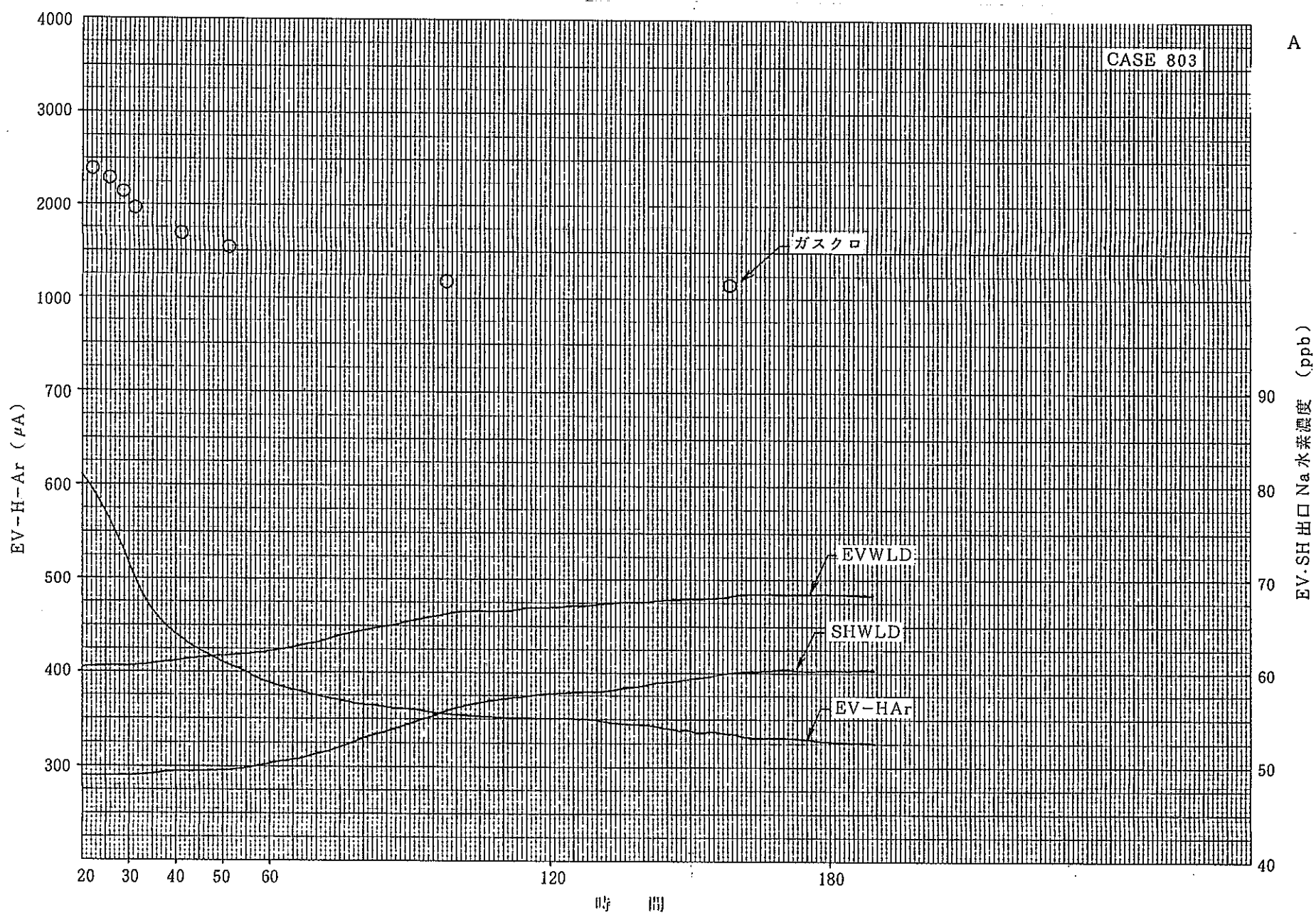
CASE C713 HYDROGEN INJECTION TEST

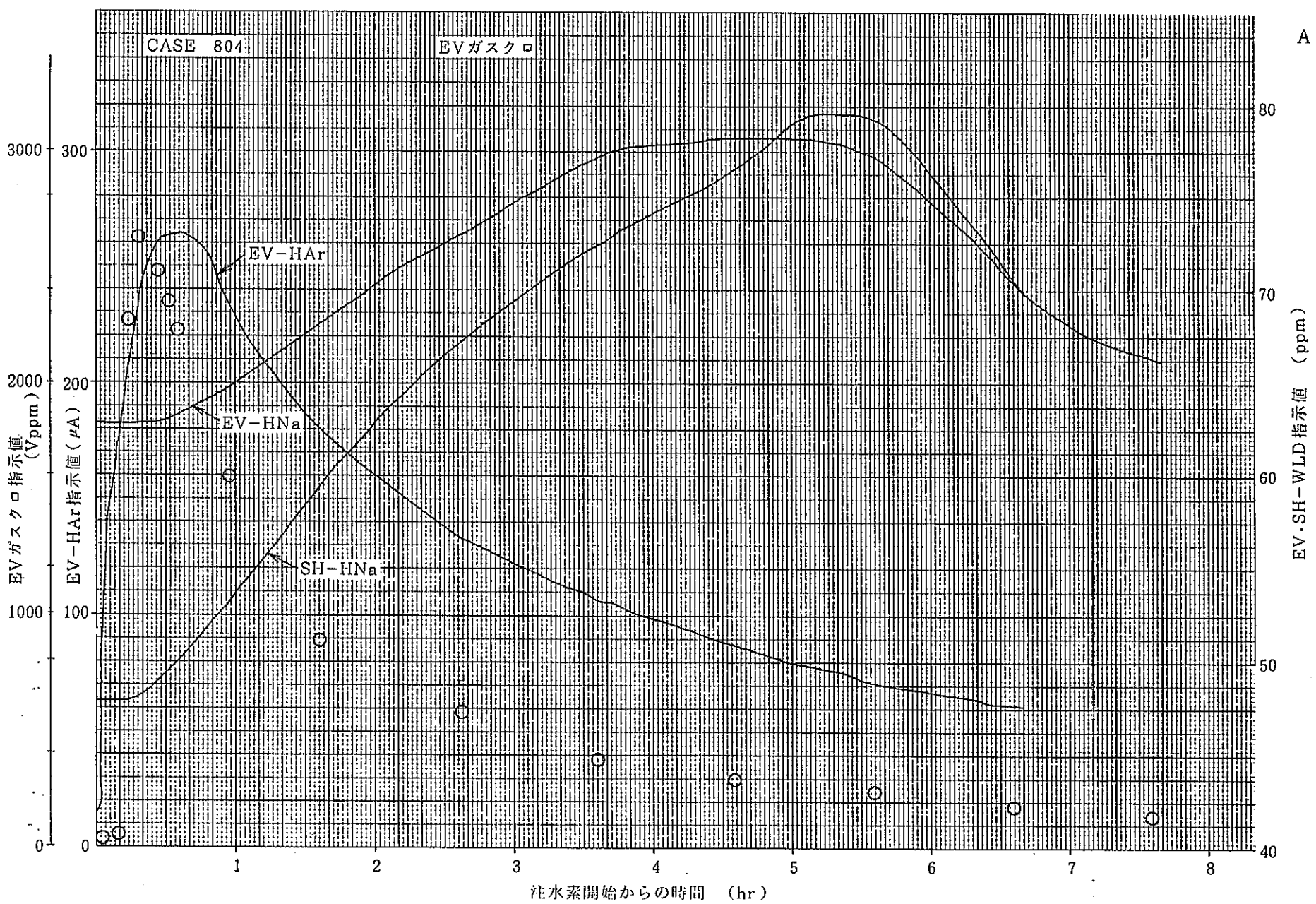
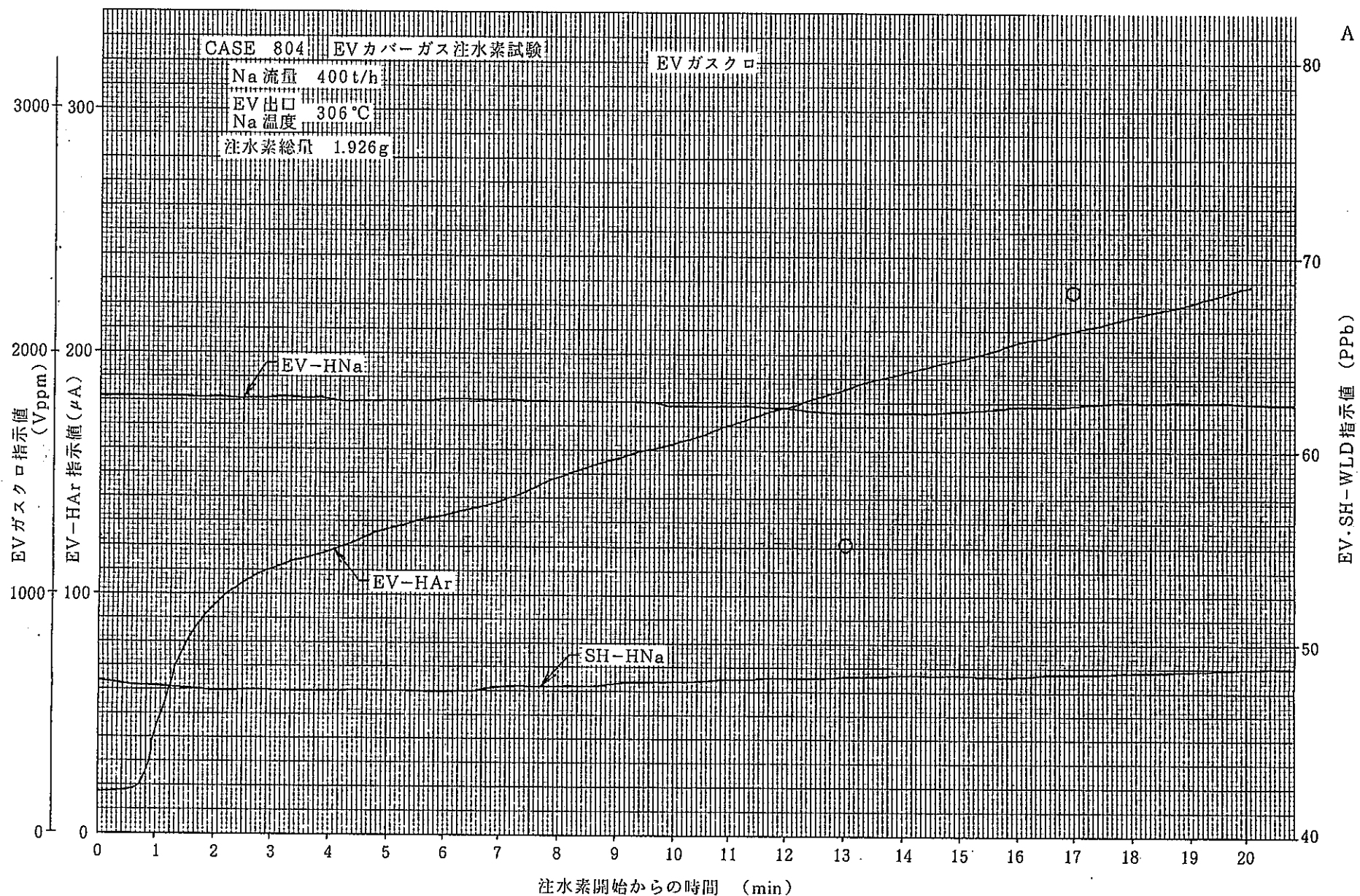


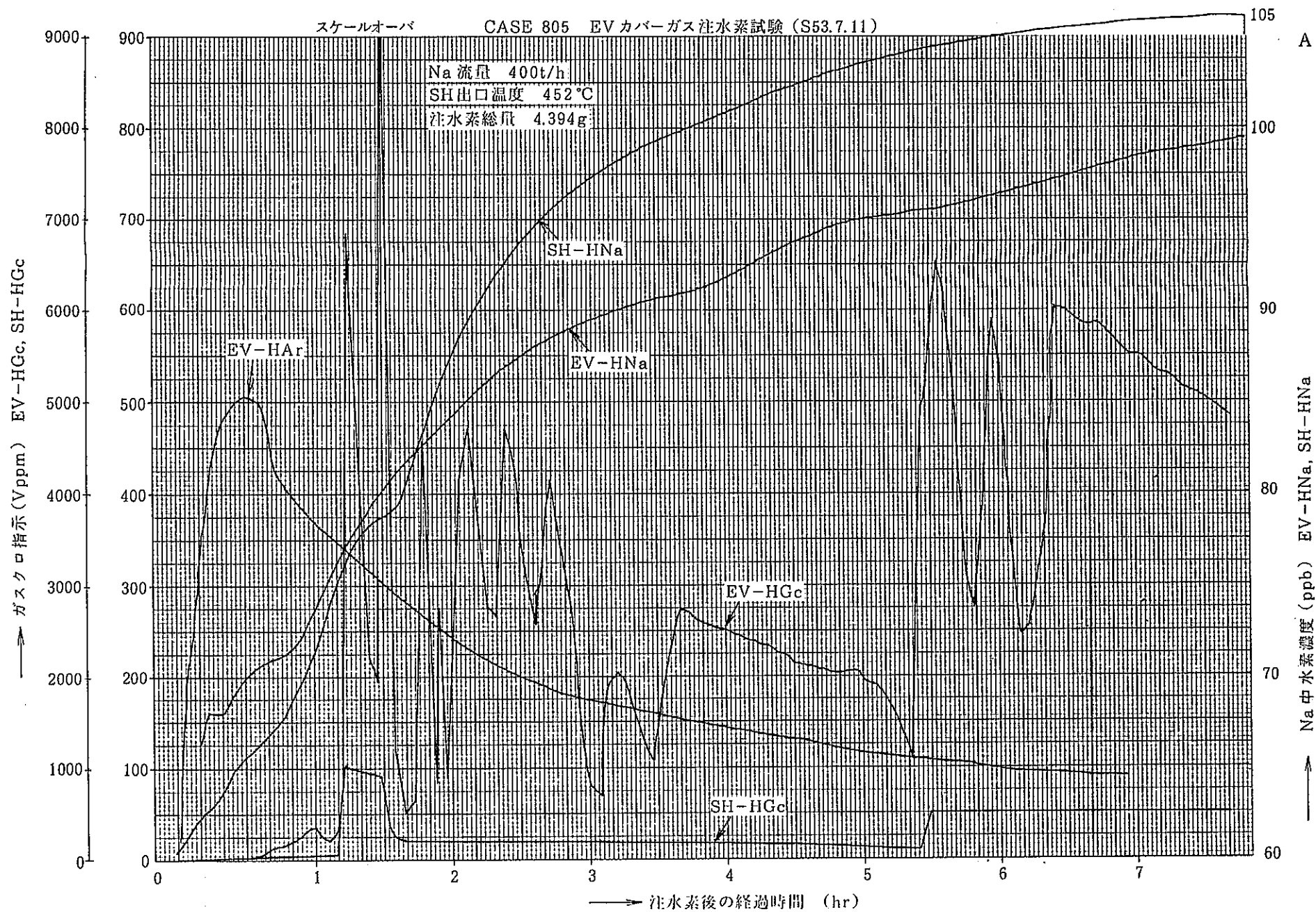
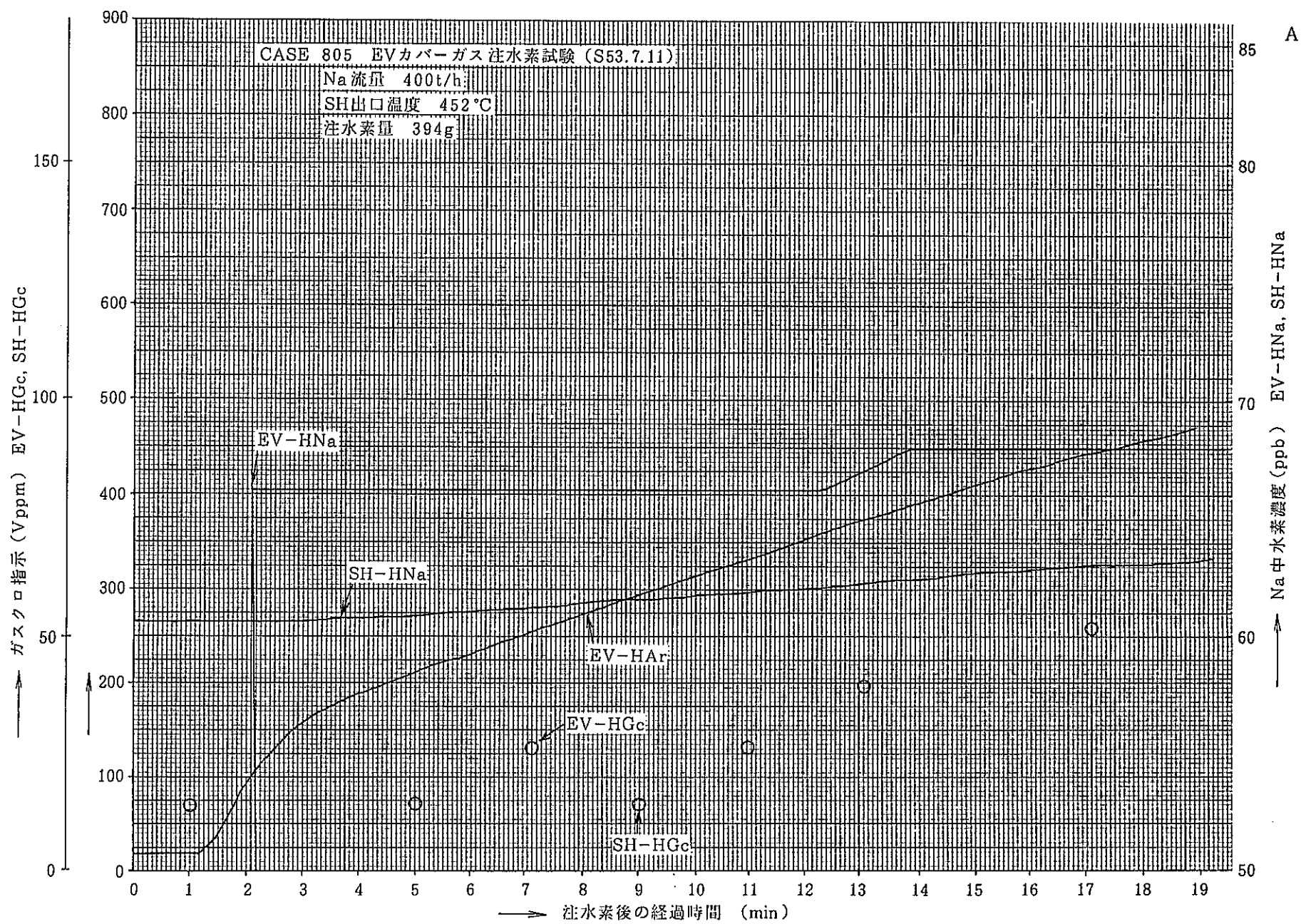
A

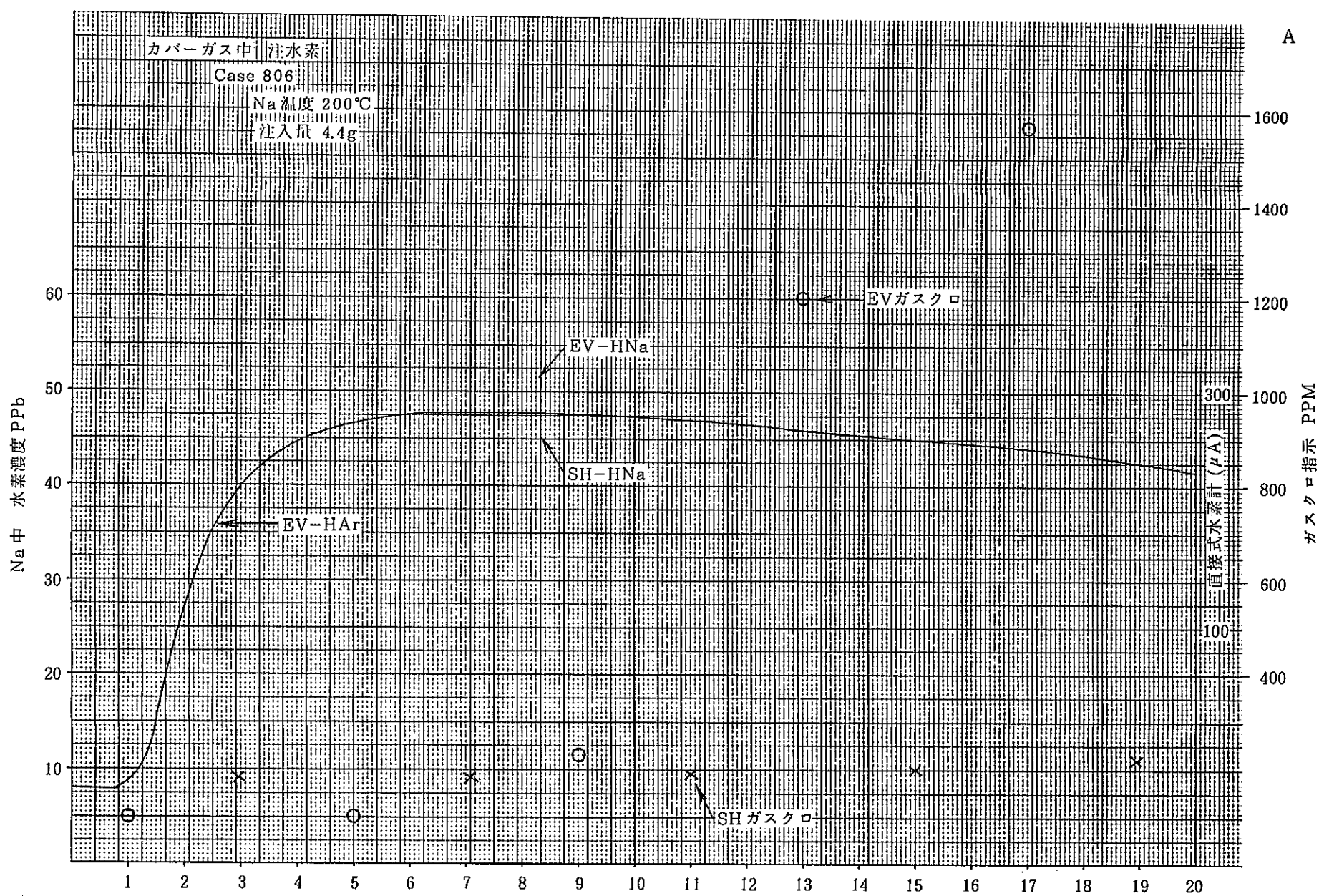


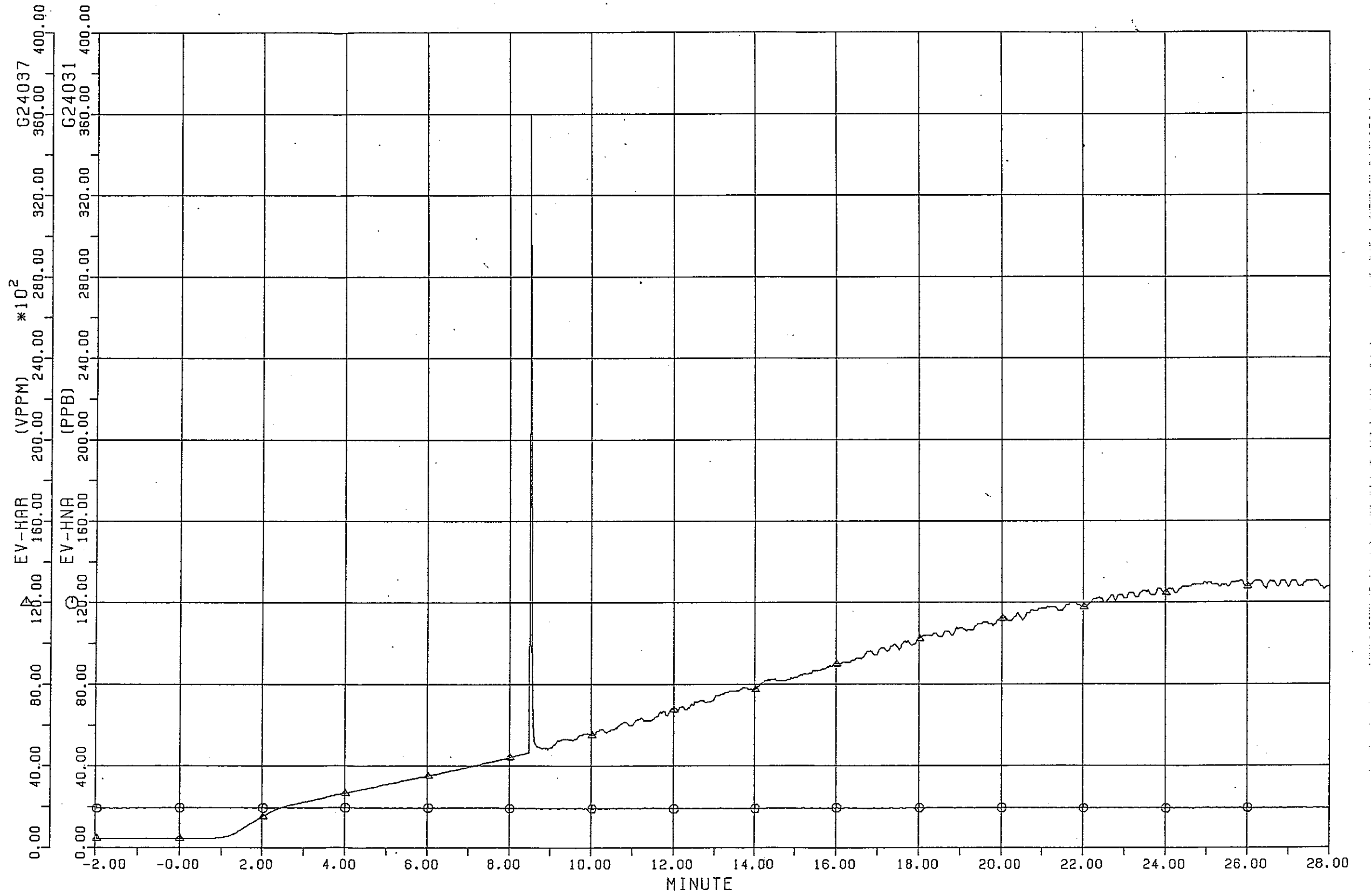
A



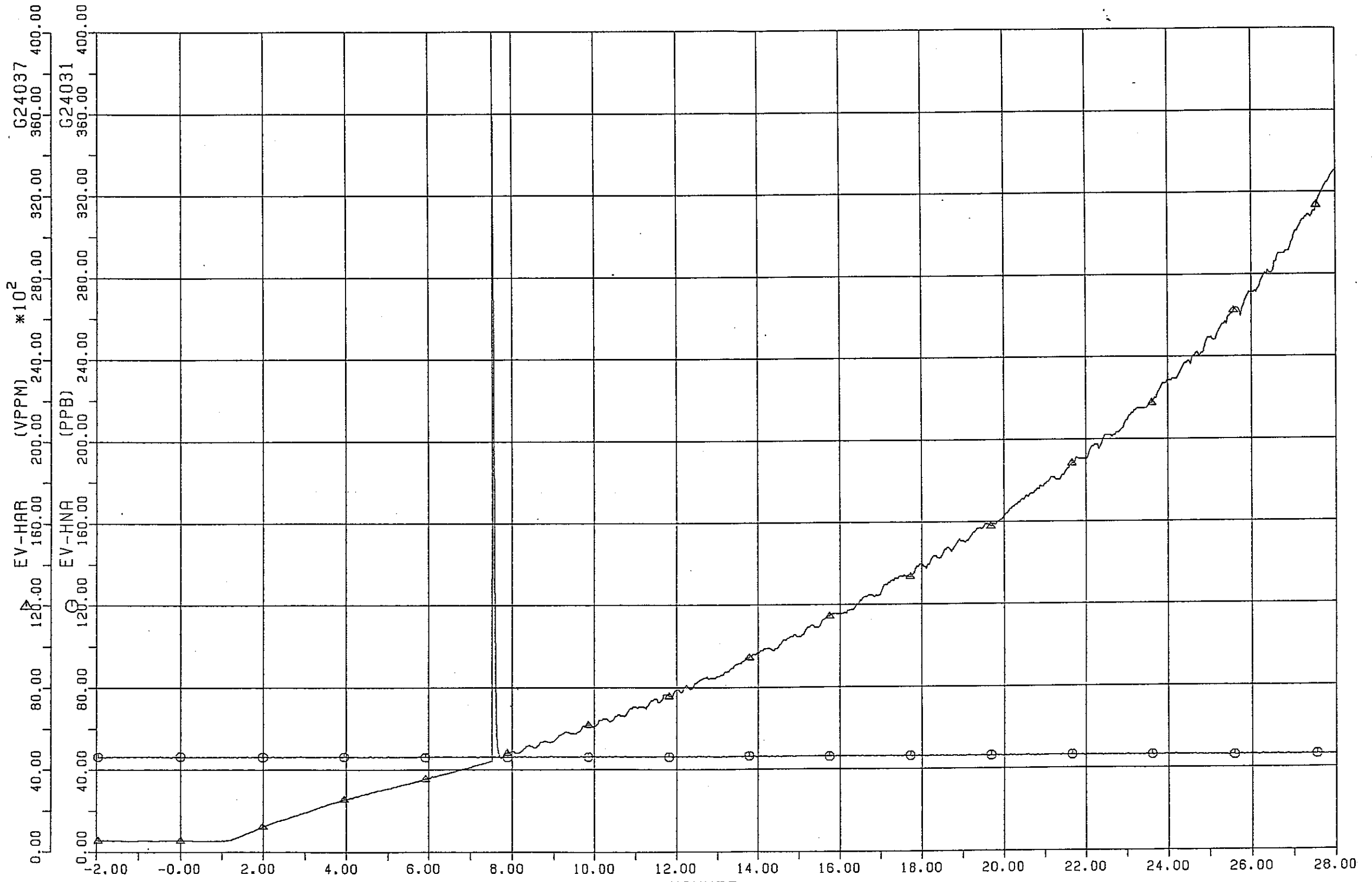




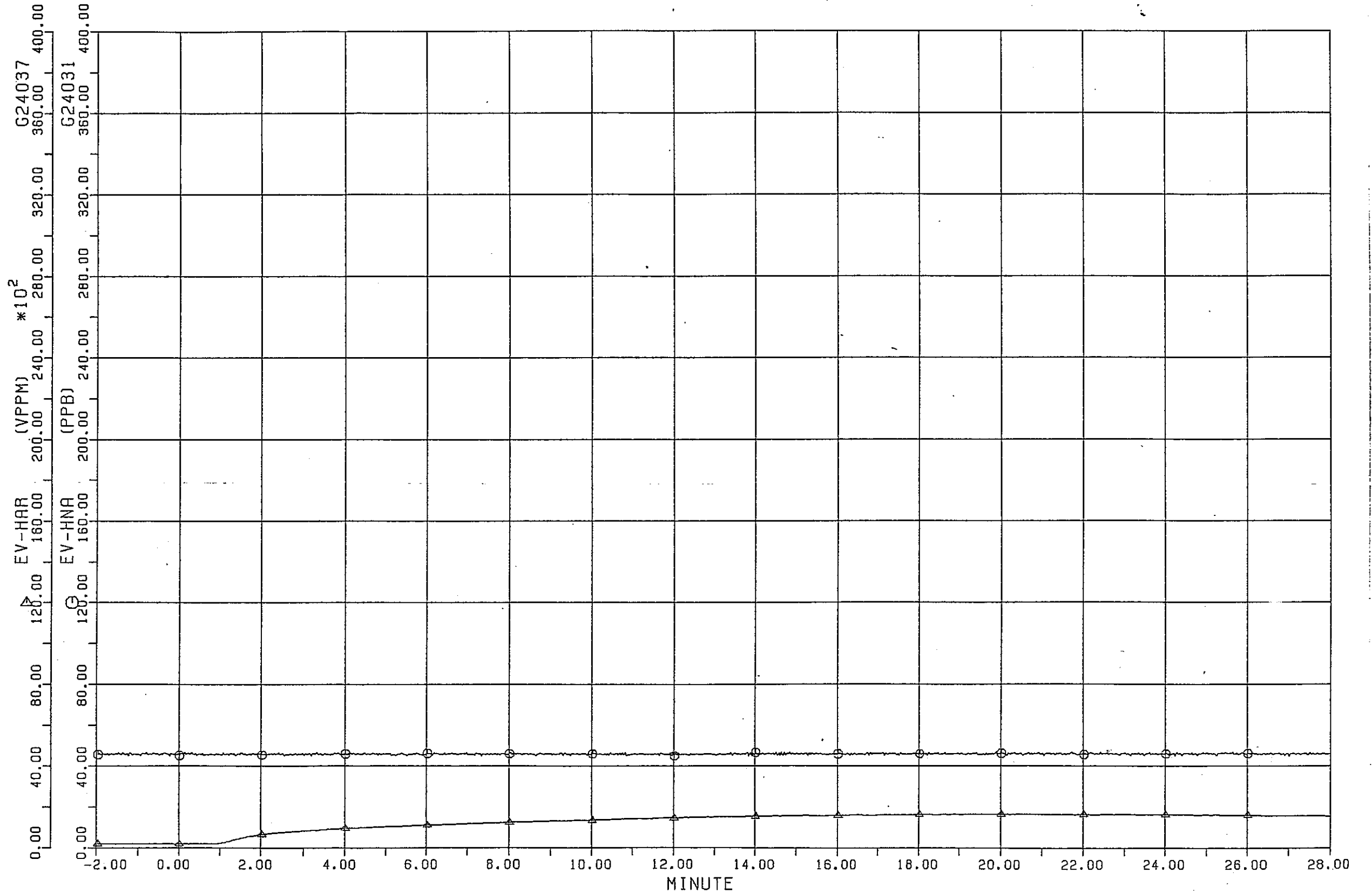




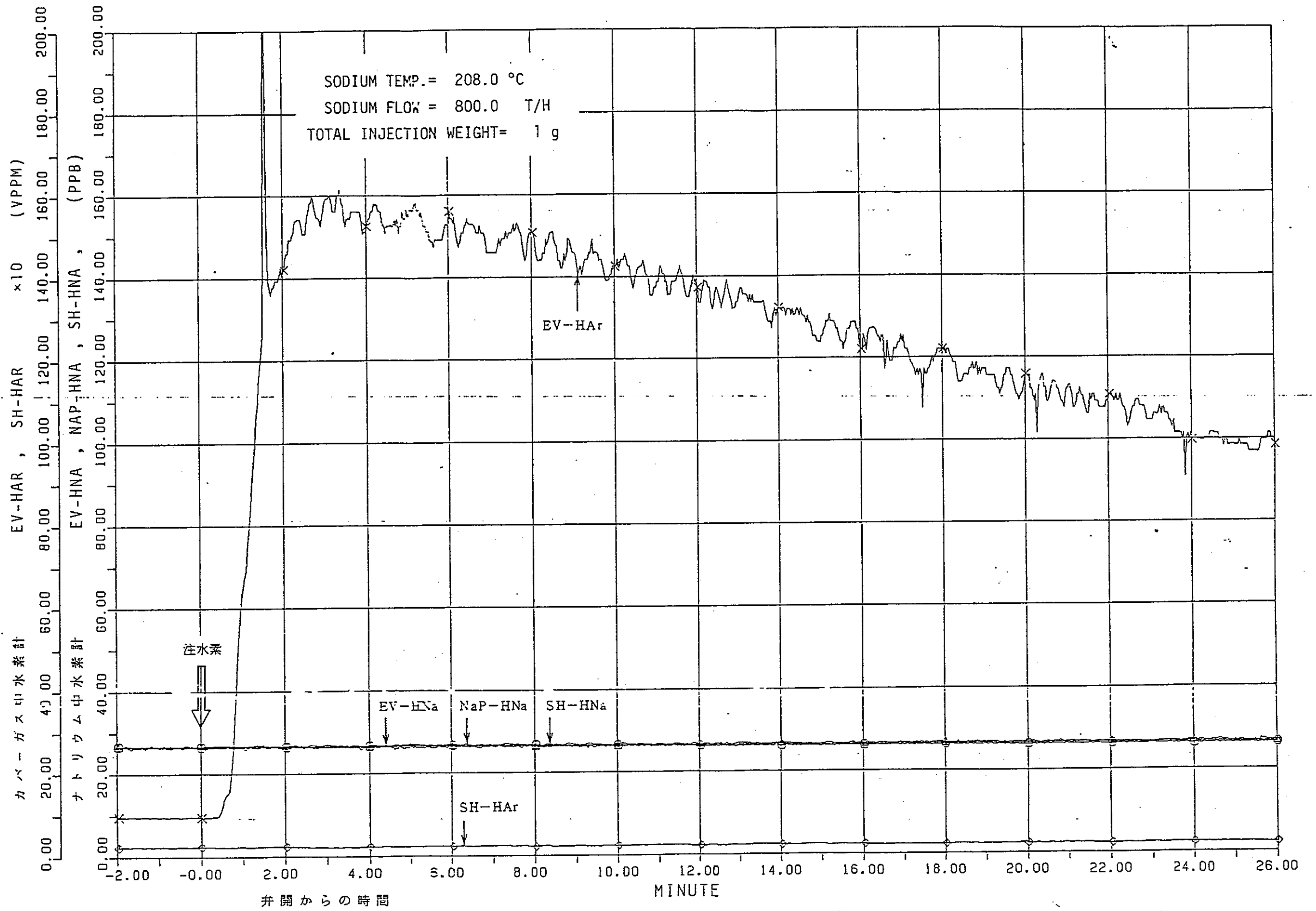
NATEMP= 198.0 NA FLOW = 400.0 T/H INJECTION TIME= 120.0 SECOND INJECT RATE= 1.000000 G/SEC
79 NEN 02 GATS 13 NICH1 17 ZI 26 FUN 01 BYO COVER GAS HYDROGEN INJECT TEST 807
SAMPLING PERIOD 2.00 CASE C807 HYDROGEN INJECTION TEST



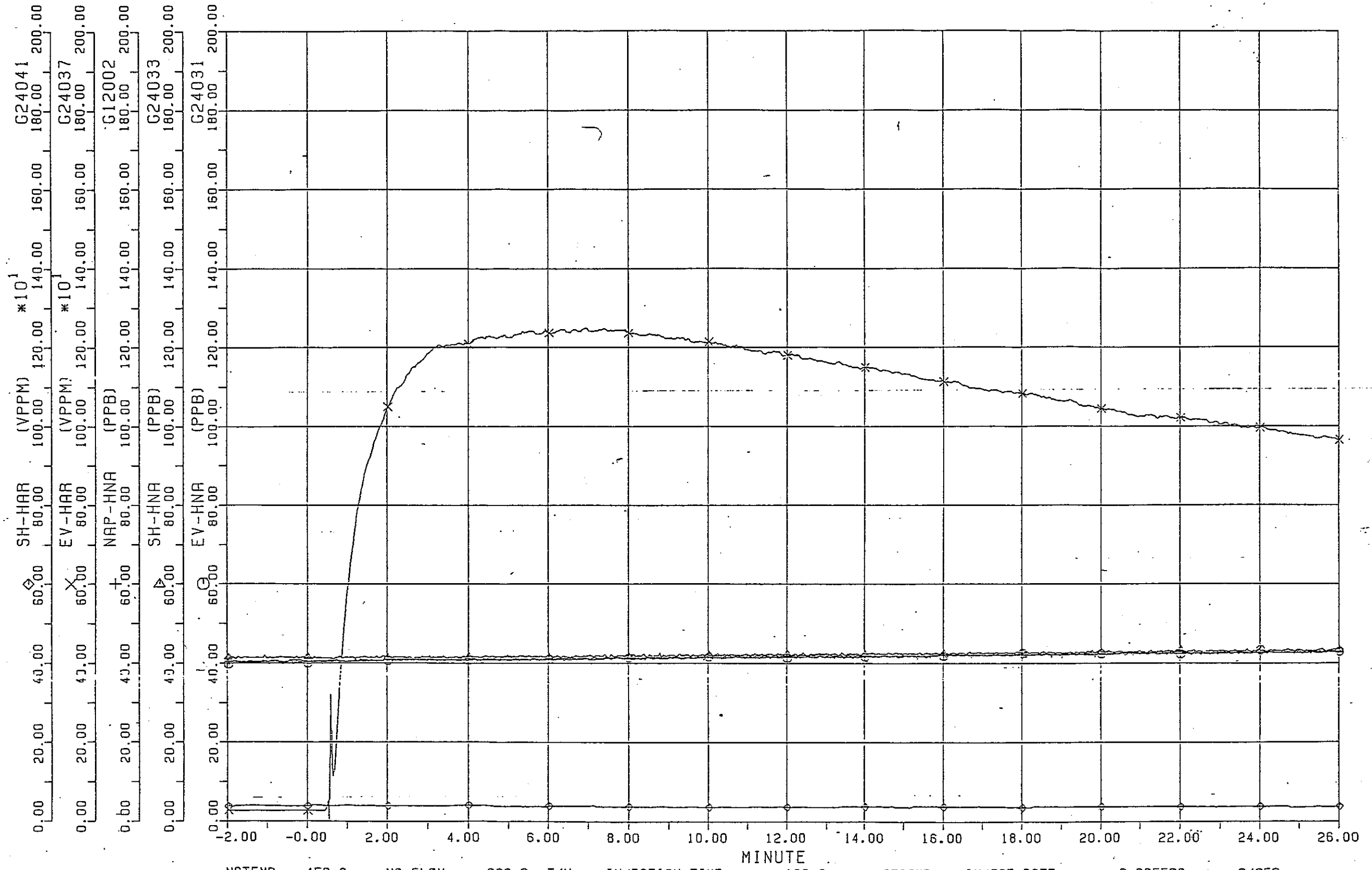
NATEMP= 197.0 NA FLOW = 455.0 T/H INJECTION TIME= 120.0 SECOND INJECT RATE= 1.029999 G/SEC
79 NEN 02 GATS 14 NICHI 11 ZI 08 FUN 31 BYO COVER GAS HYDROGEN INJECT TEST 808
CASE C808 HYDROGEN INJECTION TEST
SAMPLING PERIOD 2.00



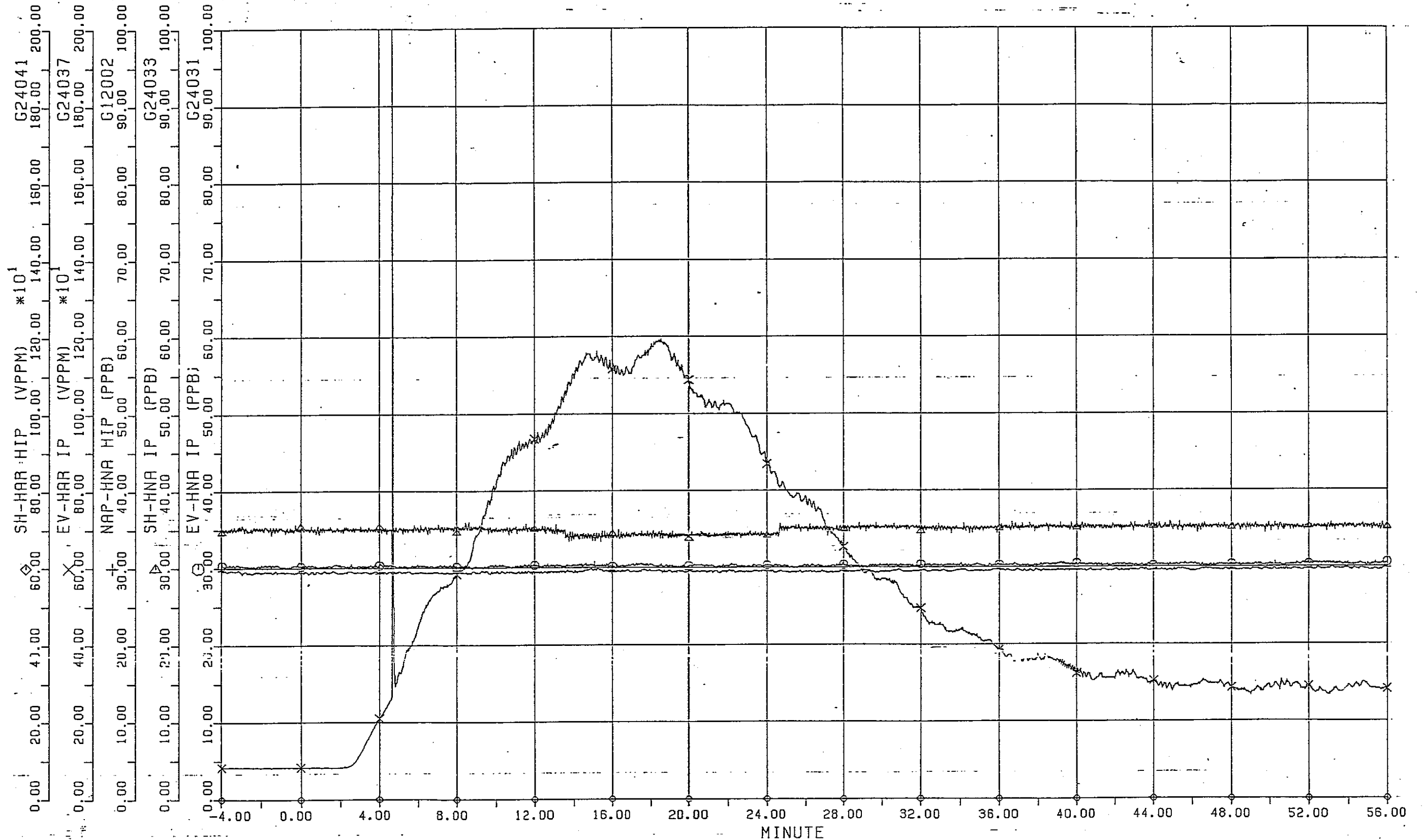
NATEMP= 201.0 NA FLOW = 800.0 T/H INJECTION TIME= 125.0 SECOND INJECT RATE= 0.750000 G/SEC
79 NEN 06 GATS 03 NICHI 09 ZI 50 FUN 31 BY0 W108 WATER INJECTION TEST 79/06/02
SAMPLING PERIOD 2.00
CASE C809 HYDROGEN INJECTION TEST



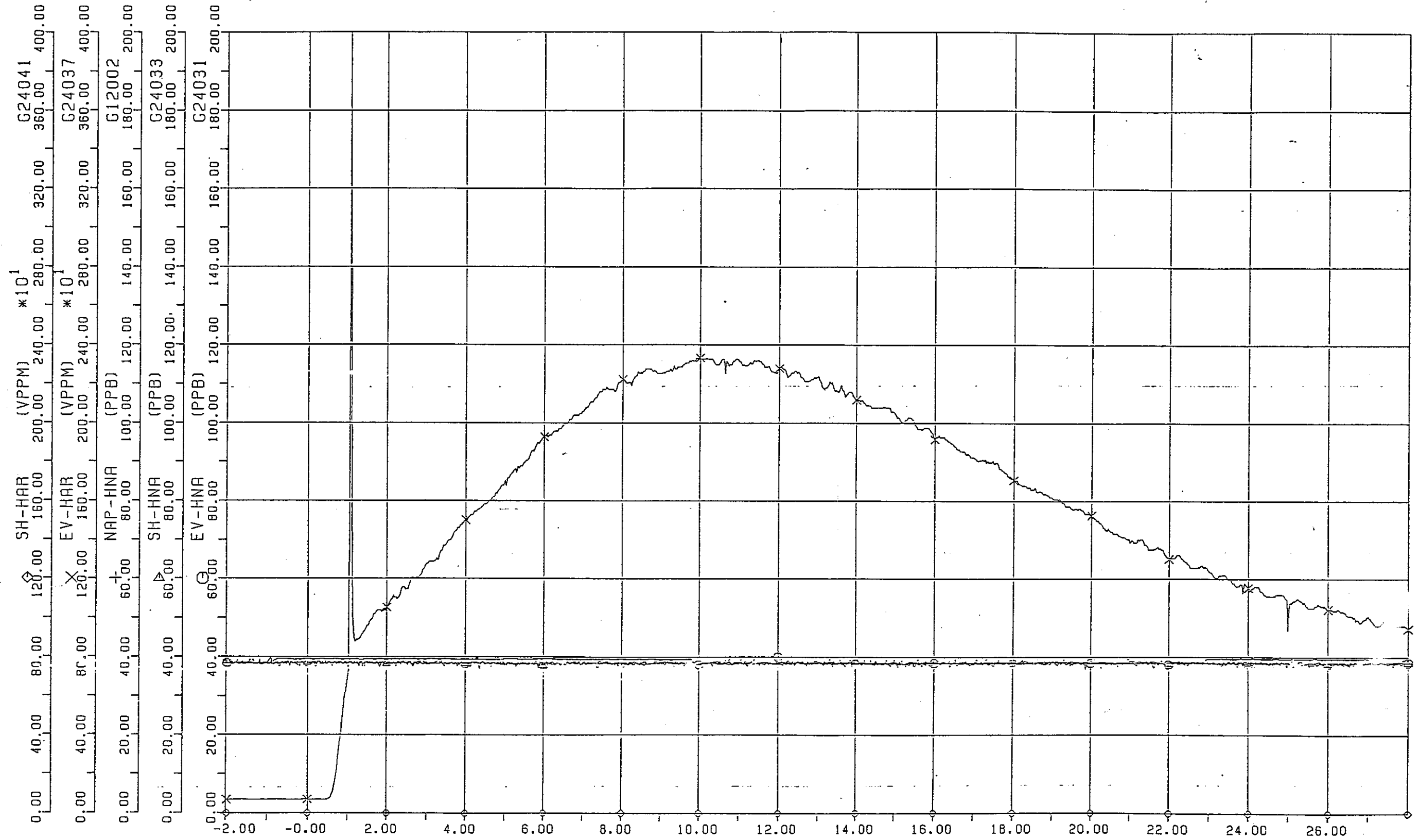
Run 811 注水素試験



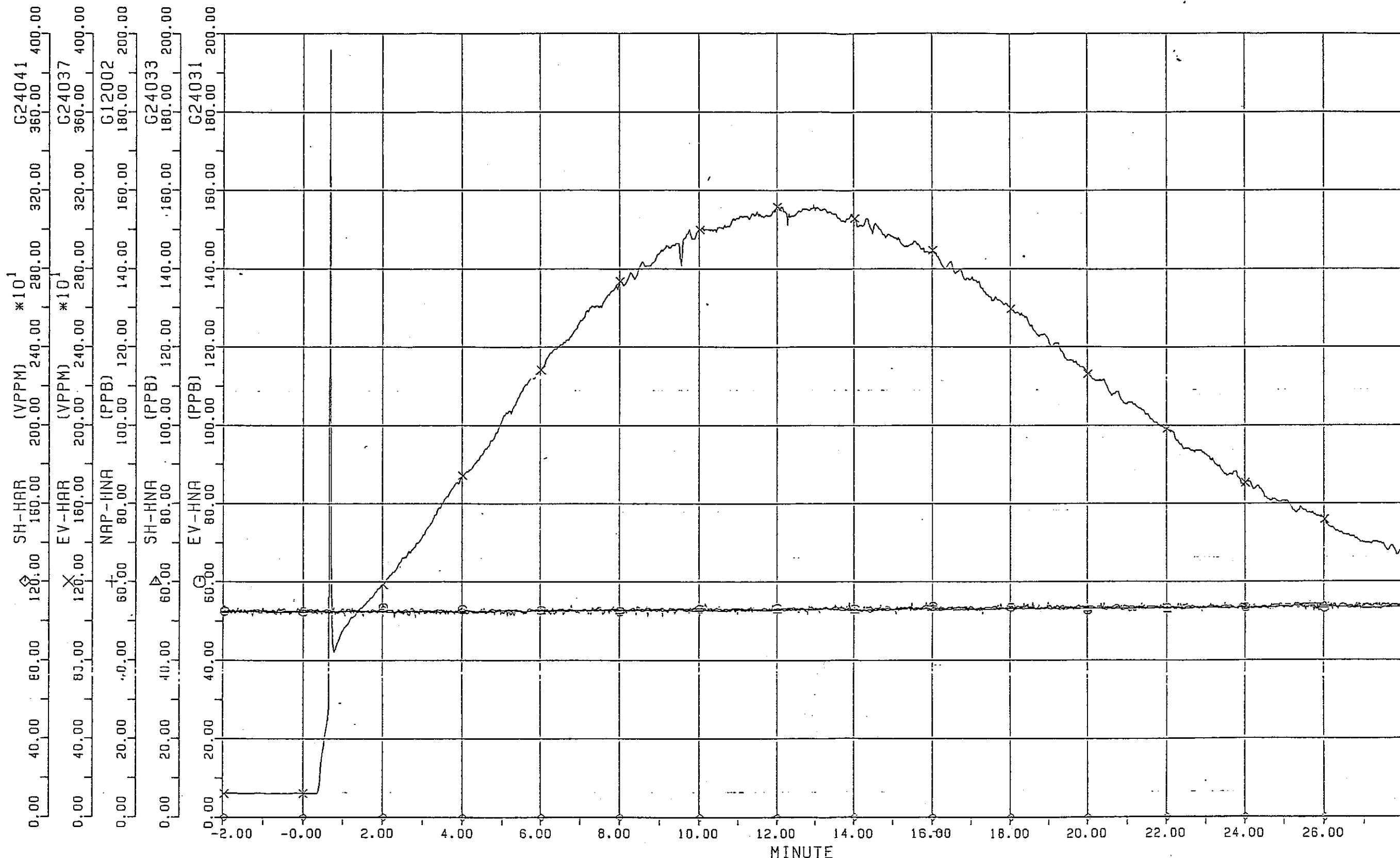
NATEMP= 450.0 NA FLOW = 800.0 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 0.005560 G/SEC
 79 NEN 11 GATS 26 NICHI 14 ZI 22 FUN 50 BYO HYDROGEN INJECTION TEST CASE812 11/26/79 YATABE E
 SAMPLING PERIOD 2.00 CASE C812 HYDROGEN INJECTION TEST



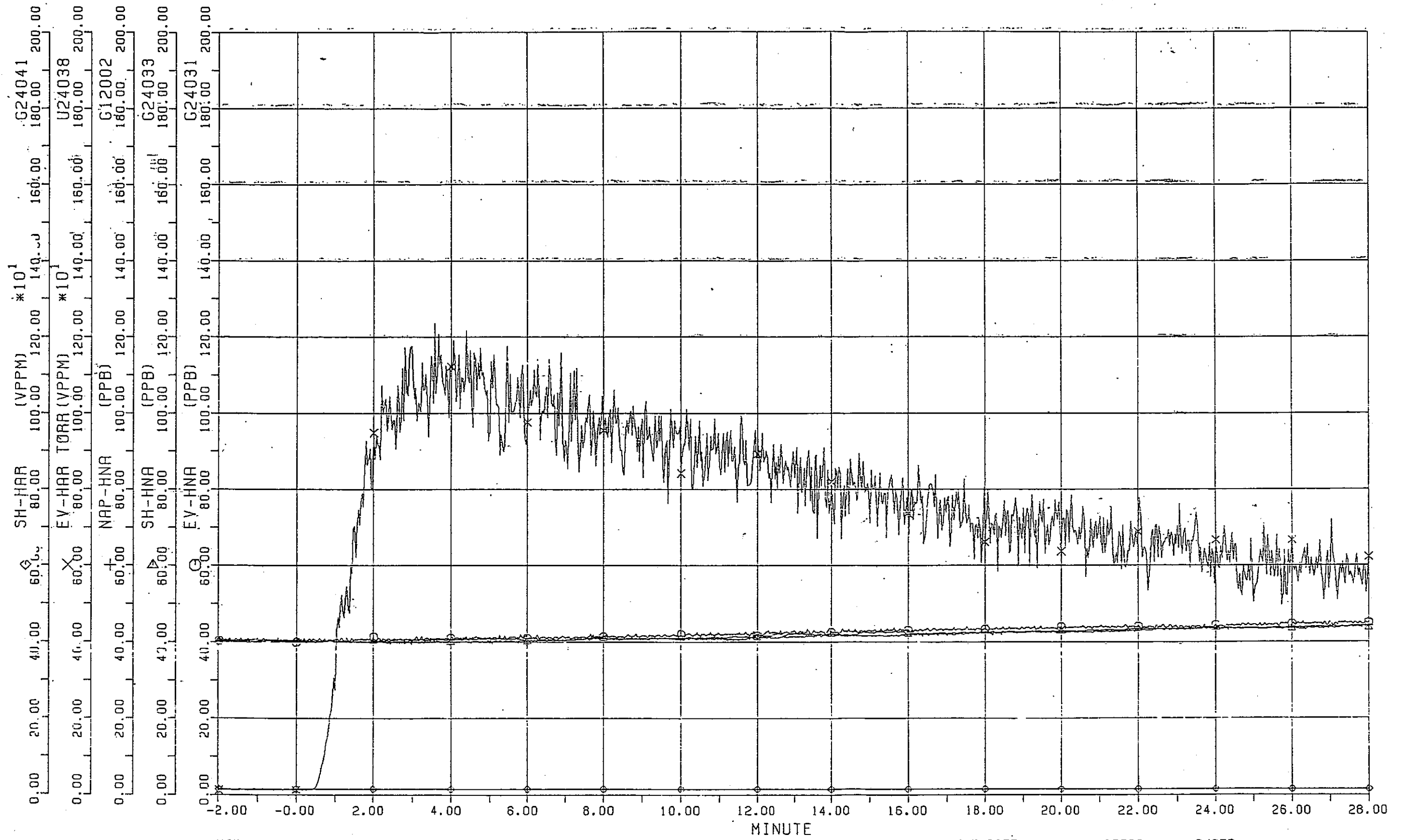
NATEMP= 194.2 NA FLOW = 779.5 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 1.000000 G/SEC
81 NEN 03 GATS 06 NICHI 11 ZI 33 FUN 08 BYO TEST
SAMPLING PERIOD 2.00
CASE C813 HYDROJEN INJECTION TEST



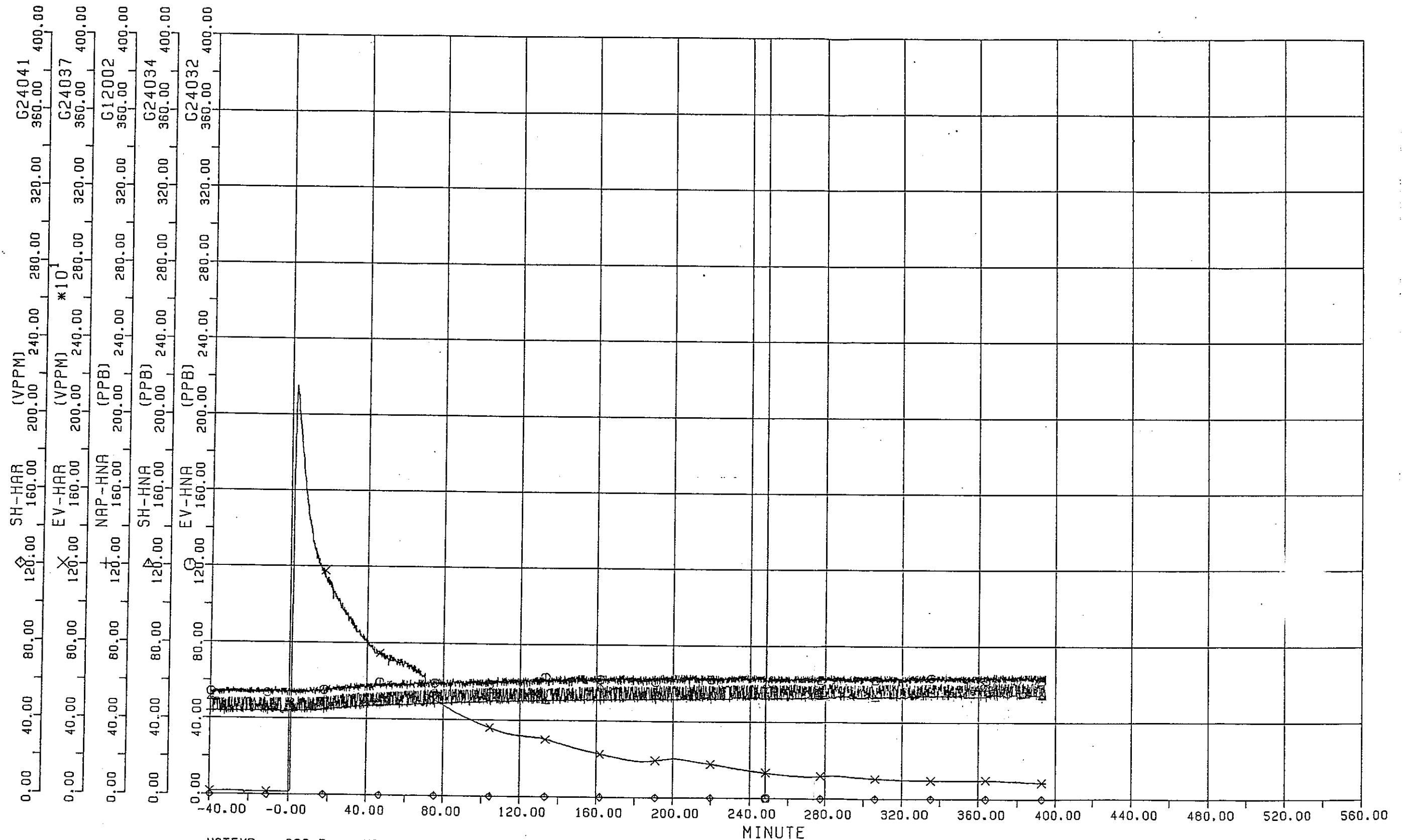
NATEMP= 269.8 NA FLOW = 786.4 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 0.005500 G/SEC
81 NEN 06 GATS 03 NICHI 10 Z1 00 FUN 07 BYO HYDROGEN INJECTION TEST
SAMPLING PERIOD 2.00 CRSE C814 HYDROGEN INJECTION TEST



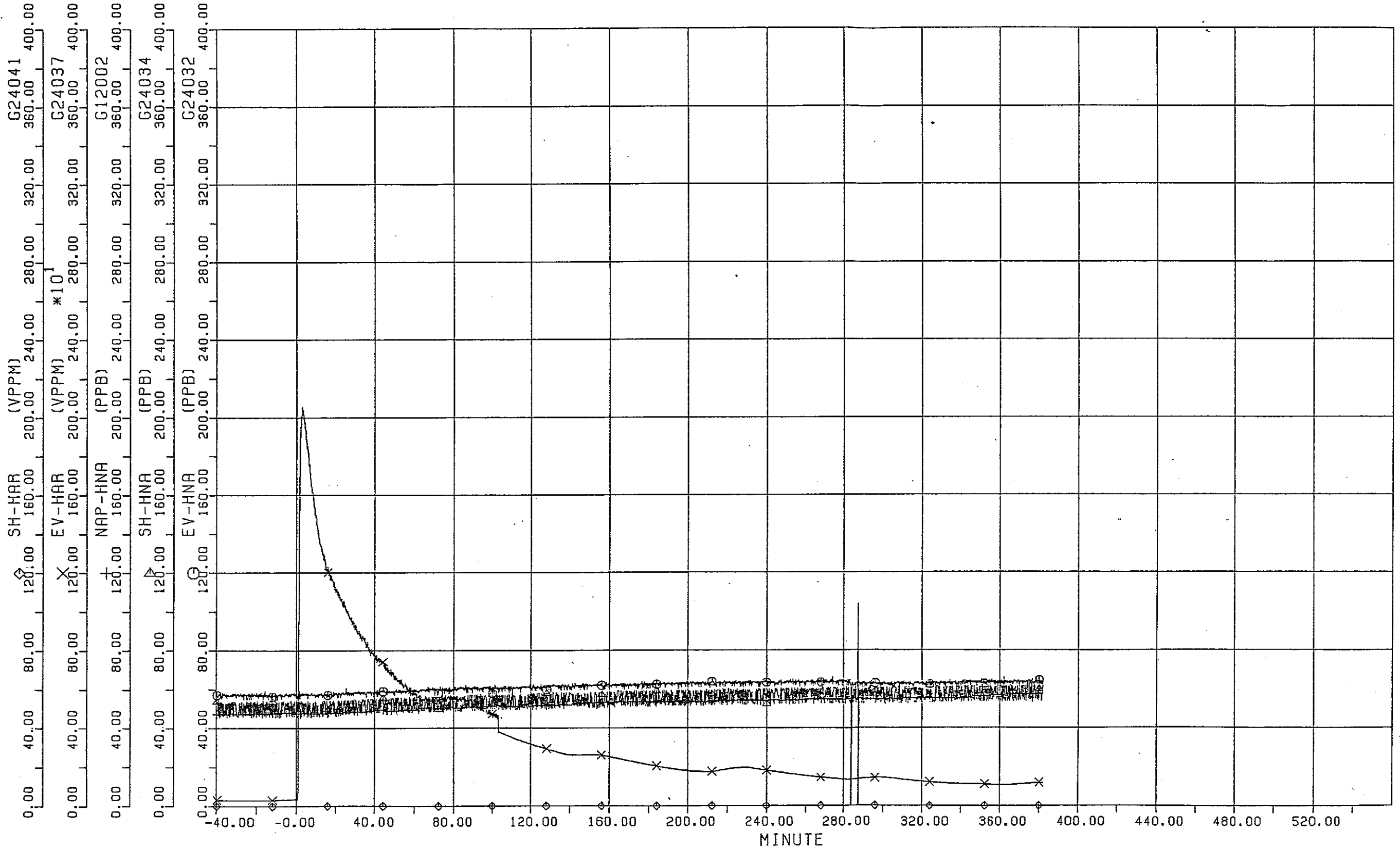
NATEMP= 360.1 NA FLOW = 747.6 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 0.005500 G/SEC
 81 NEN 06 GATS 09 NICHI 12 ZI 30 FUN 06 BY0 HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00
 CASE C815 HYDROGEN INJECTION TEST



NATEMP= 450.0 NR FLOW = 800.0 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 0.005560 G/SEC
 81 NEN 11 GATS 28 NICHII 11 ZI 01 FUN 03 BYO HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00
 CASE C817 HYDROGEN INJECTION TEST

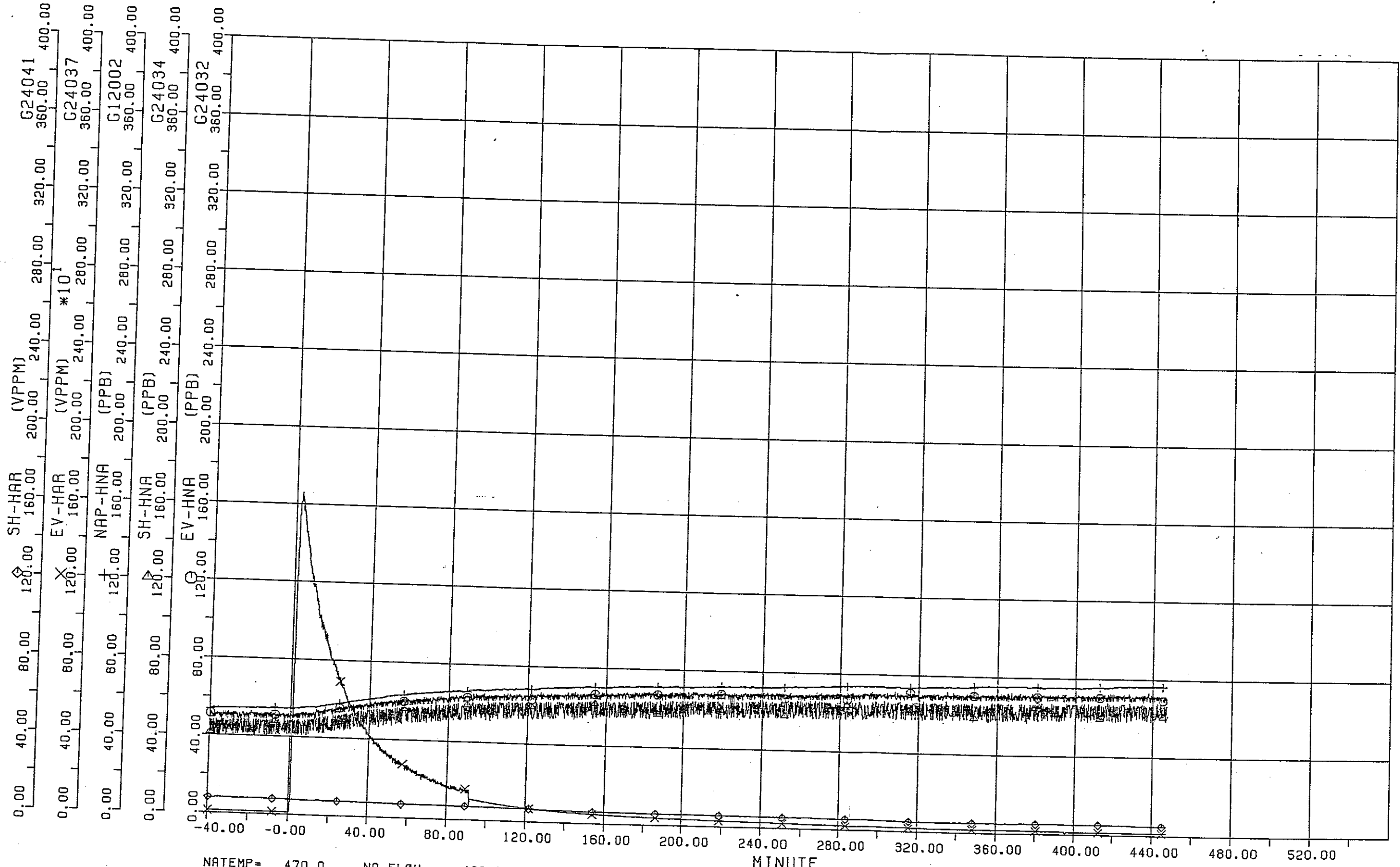


NATEMP= 363.7 NA FLOW = 404.6 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 1.00000 G/SEC
83 NEN 11 GATS 03 NICHI 13 ZI 09 FUN 55 BYO #2-3191 CASE 818
SAMPLING PERIOD 10.00
CASE C818 HYDROGEN INJECTION TEST



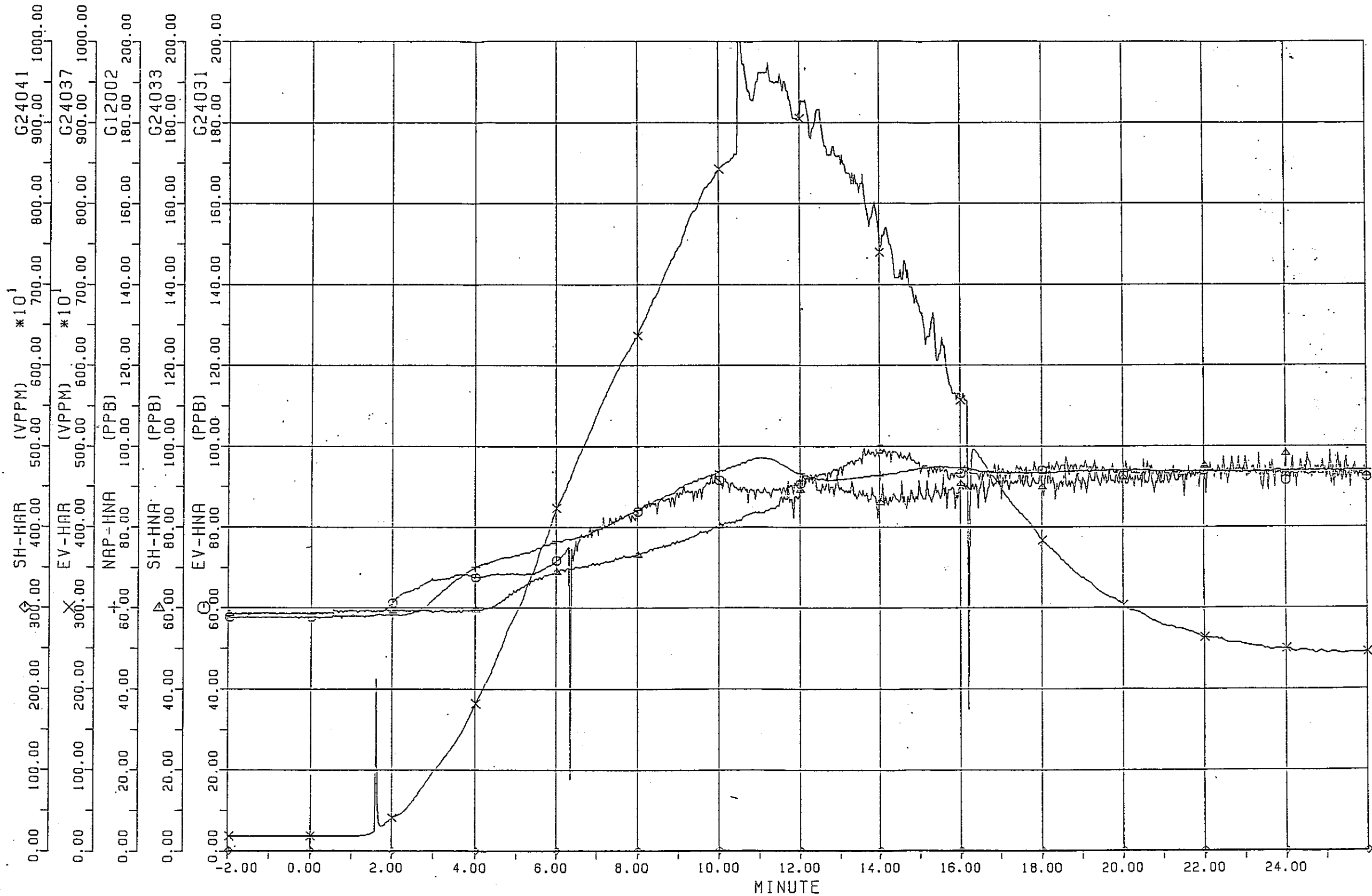
NATEMP= 354.4 NA FLOW = 402.1 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 1.000000 G/SEC
83 NEN 11 GATS 05 NICHI 16 ZI 02 FUN 55 BYO #2-3198 CASE 819
SAMPLING PERIOD 10.00

CASE C819 HYDROGEN INJECTION TEST

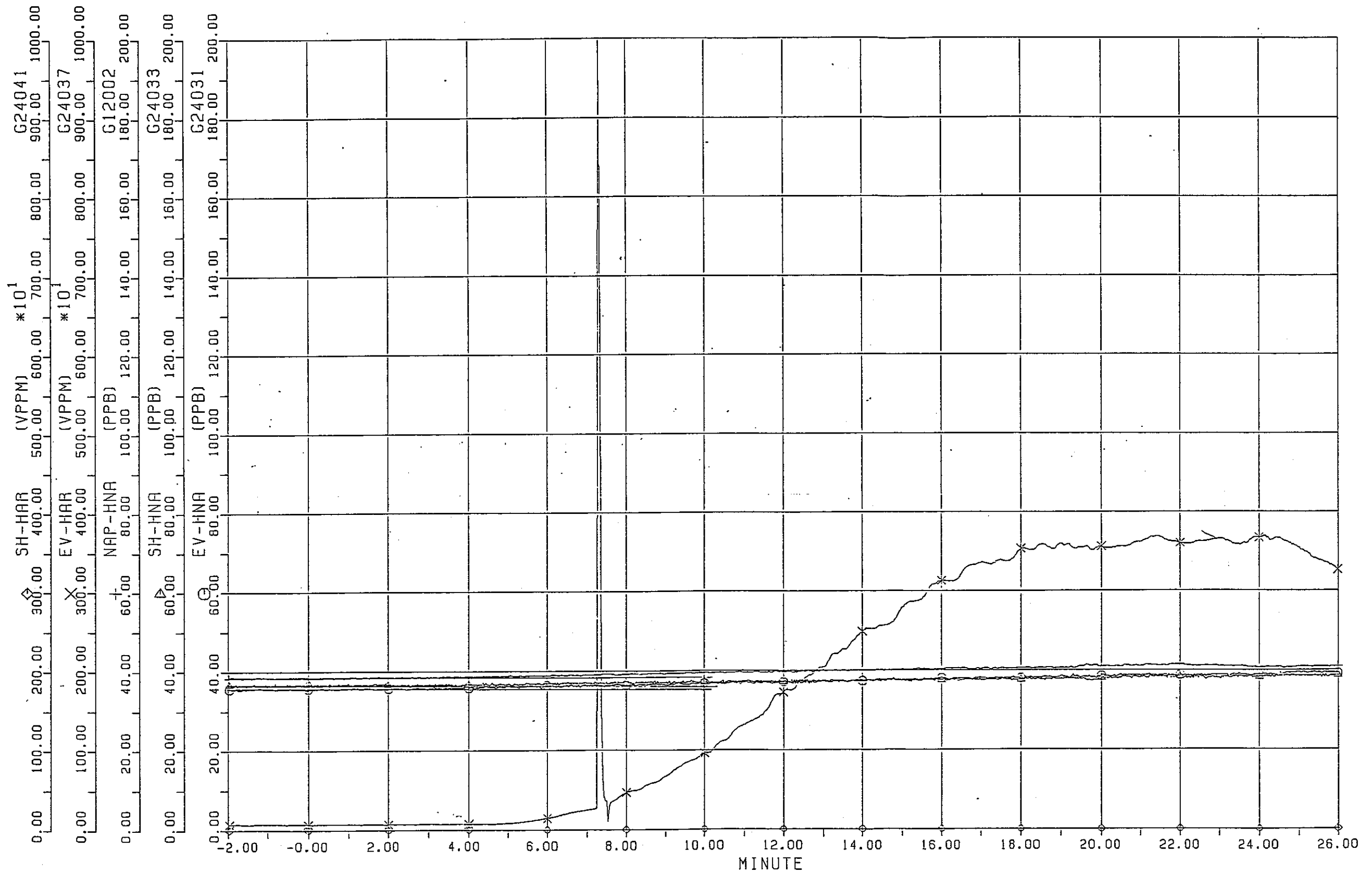


NATEMP= 470.0 NA FLOW = 400.5 T/H INJECTION TIME= 180.0
83 NEN 11 GATS 10 NICH 14 ZI 41 FUN 03 BY 0 #2-3229 CASE 820
SAMPLING PERIOD 10.00 SECOND INJECT RATE= 1.000000 G/SEC

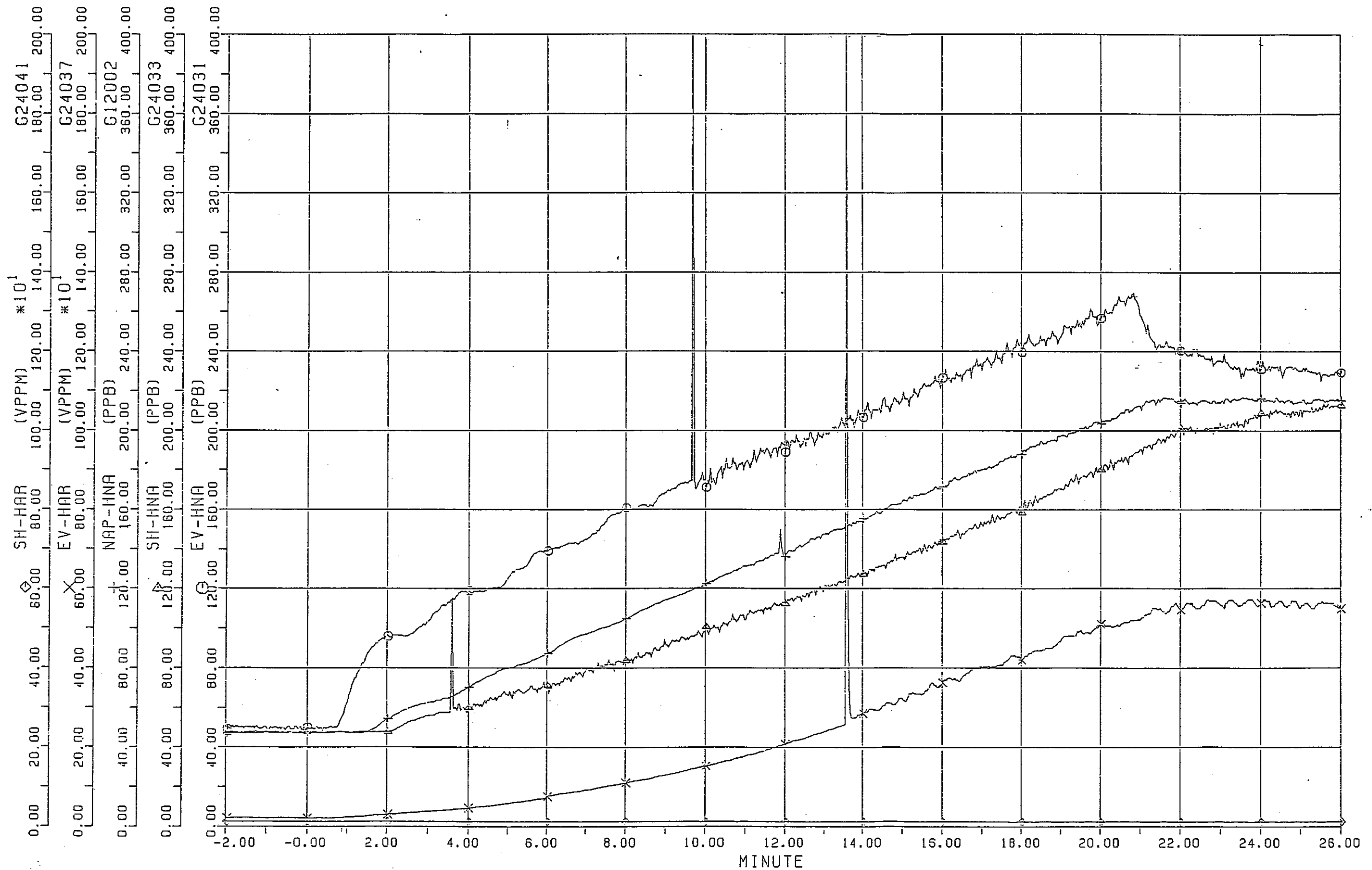
CASE C820 HYDROGEN INJECTION TEST



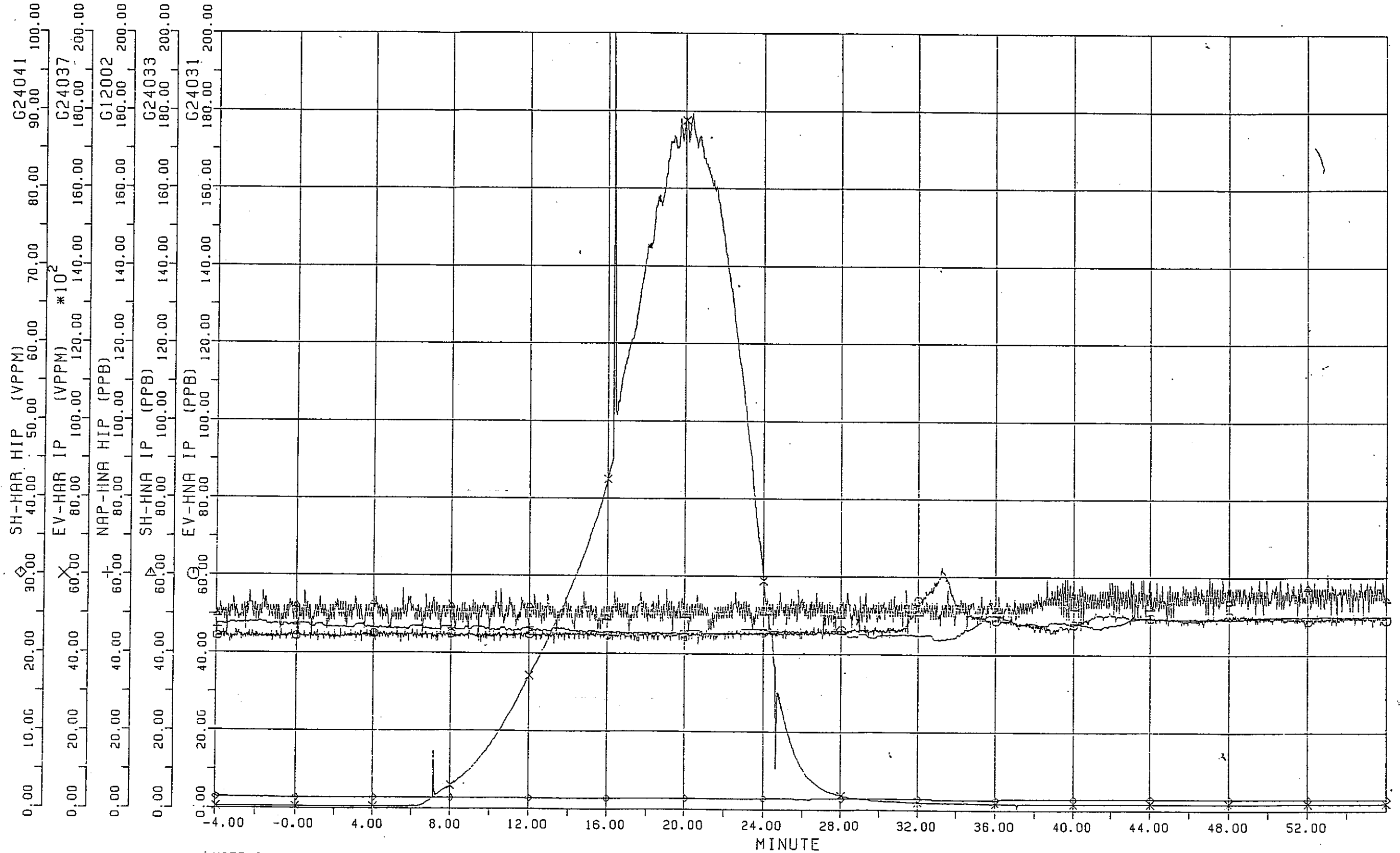
NATEMP= 352.8 NA FLOW = 361.3 T/H INJECTION TIME= 510.0 SECOND INJECT RATE= 0.008300 G/SEC
 80 NEN 11 GATS 21 NICHI 16 ZI 22 FUN 04 BYO TEST
 SAMPLING PERIOD 2.00
 CASE C902 HYDROJEN INJECTION TEST



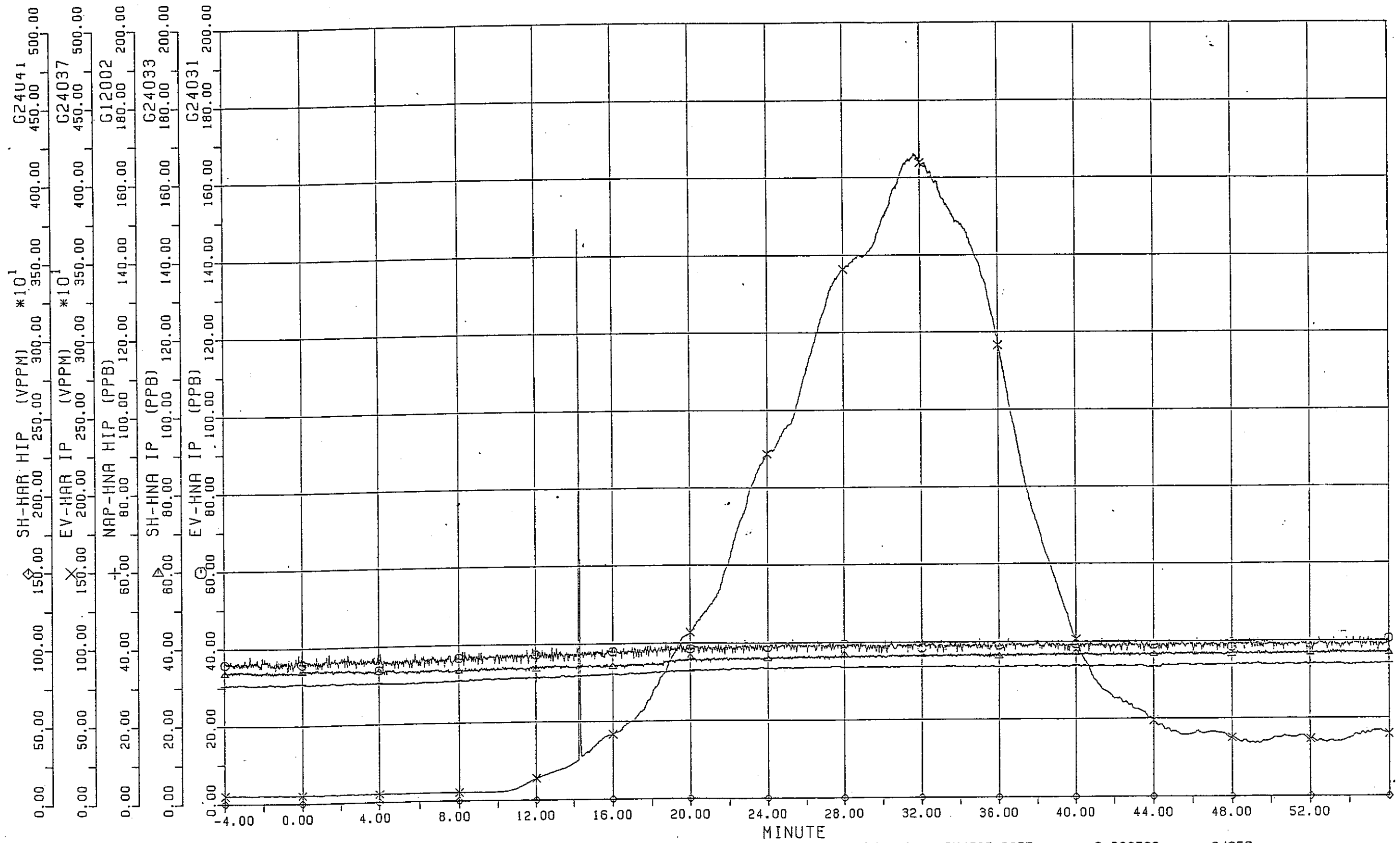
NATEMP= 201.4 NA FLOW = 791.2 T/H INJECTION TIME= ** SECOND INJECT RATE= 0.008700 G/SEC
 80 NEN 11 GATS 22 NICHI 14 ZI 24 FUN 03 BY0 CASE 903 ANNULUS INJECTION
 SAMPLING PERIOD 2.00
 CASE C903 HYDROGEN INJECTION TEST



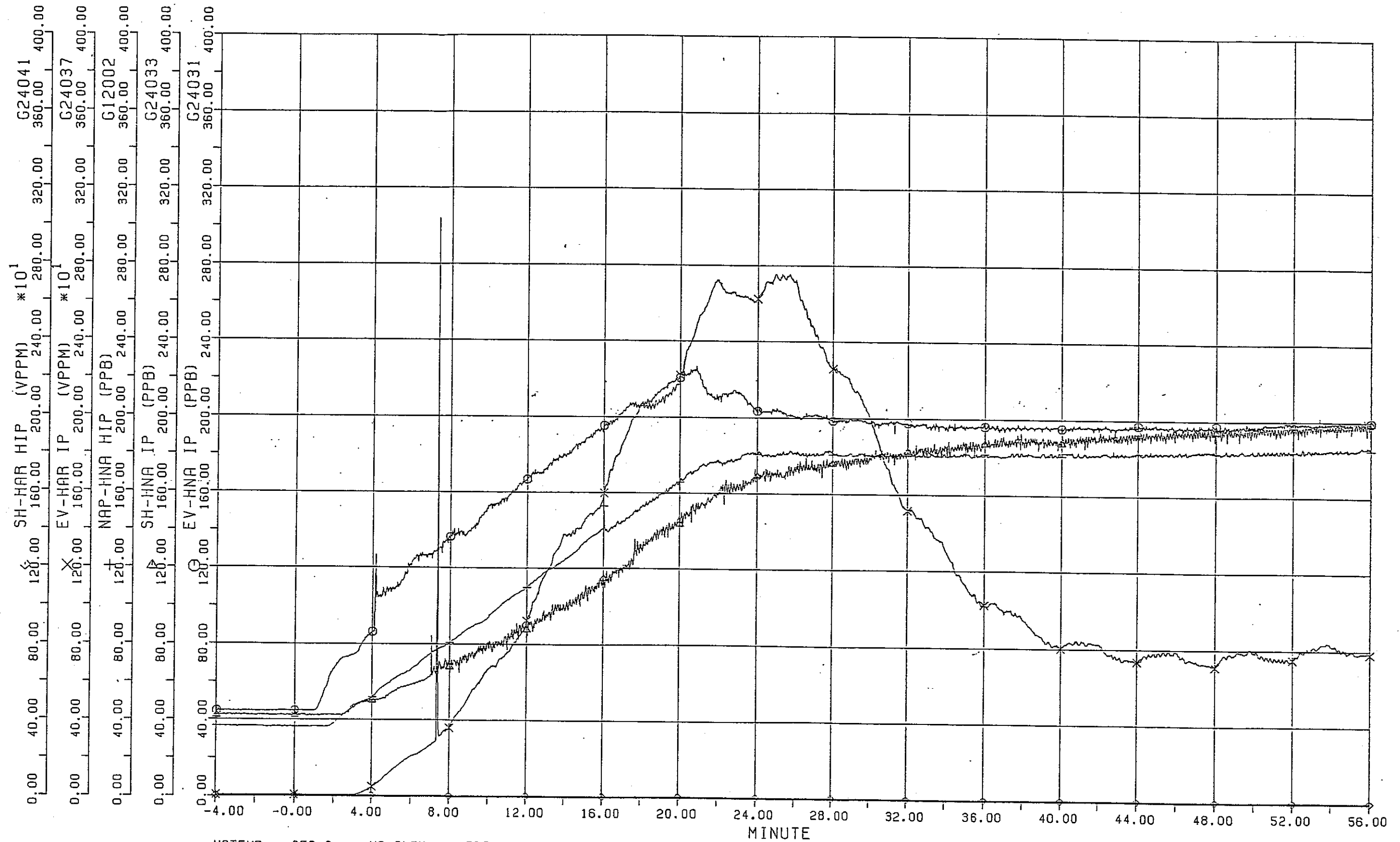
NATEMP= 451.0 NA FLOW = 770.3 T/H INJECTION TIME= 1200.0 SECOND INJECT RATE= 0.006680 G/SEC
 80 NEN 12 GATS 12 NICHI 10 ZI 01 FUN 22 8Y0 CASE 706 DC INJECTION
 SAMPLING PERIOD 2.00
 CASE C904 HYDROJEN INJECTION TEST



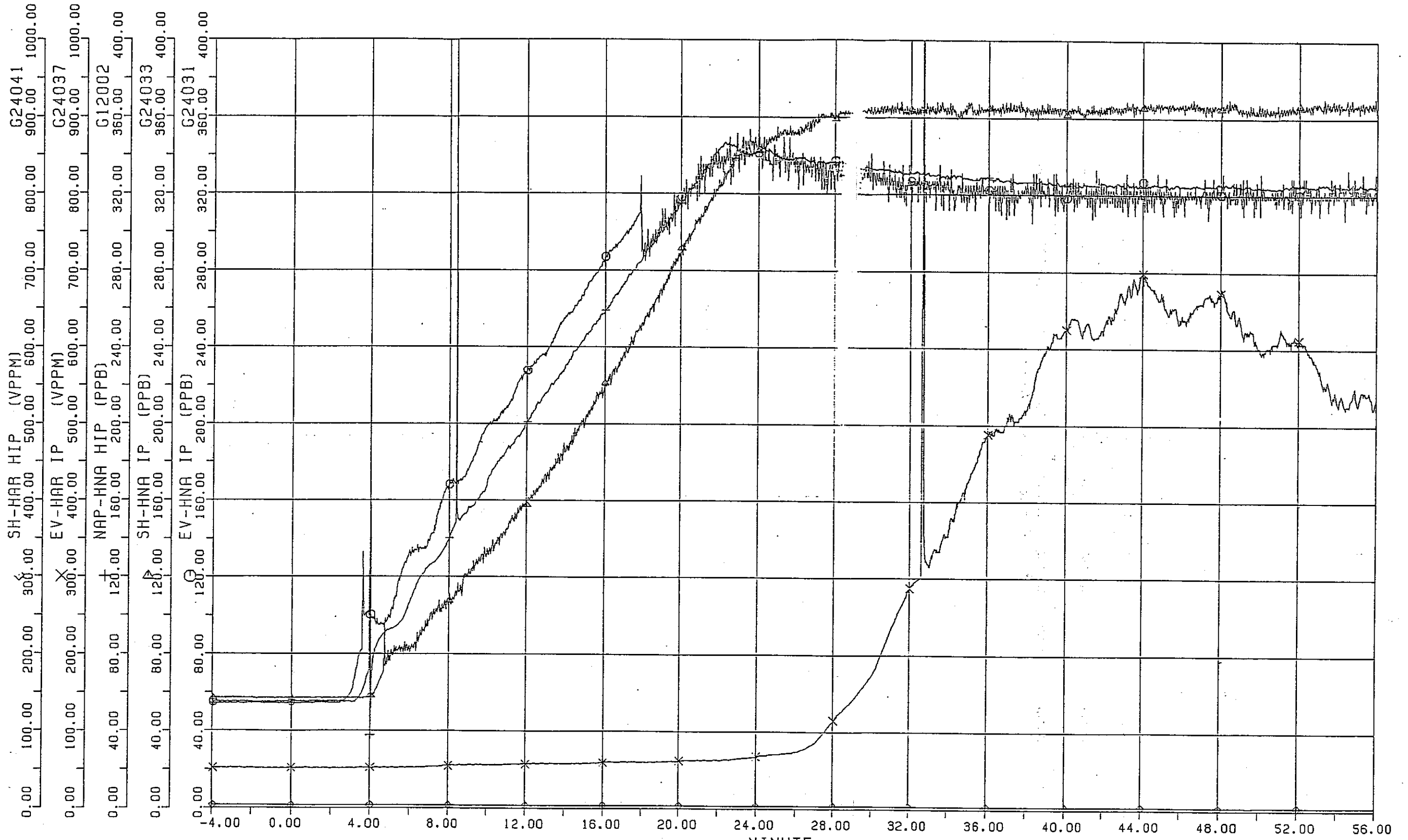
NATEMP= 267.7 NA FLOW = 0.0 T/H INJECTION TIME= 420.0 SECOND INJECT RATE= 0.008700 G/SEC
 81 NEN 03 COTS 04 NICHI 13 ZI 48 FUN 16 BYO TEST
 SAMPLING PERIOD 2.00
 (CASE C905 HYDROGEN INJECTION TEST
 (目標値) (白土記 5/16)



NATEMP= 198.6 NA FLOW = 784.4 T/H INJECTION TIME= 1200.0 SECOND INJECT RATE= 0.008700 G/SEC
 81 NEN 03 GATS 05 NICHI 13 ZI 17 FUN 57 BYO TEST
 SAMPLING PERIOD 2.00
 CASE C906 HYDROGEN INJECTION TEST

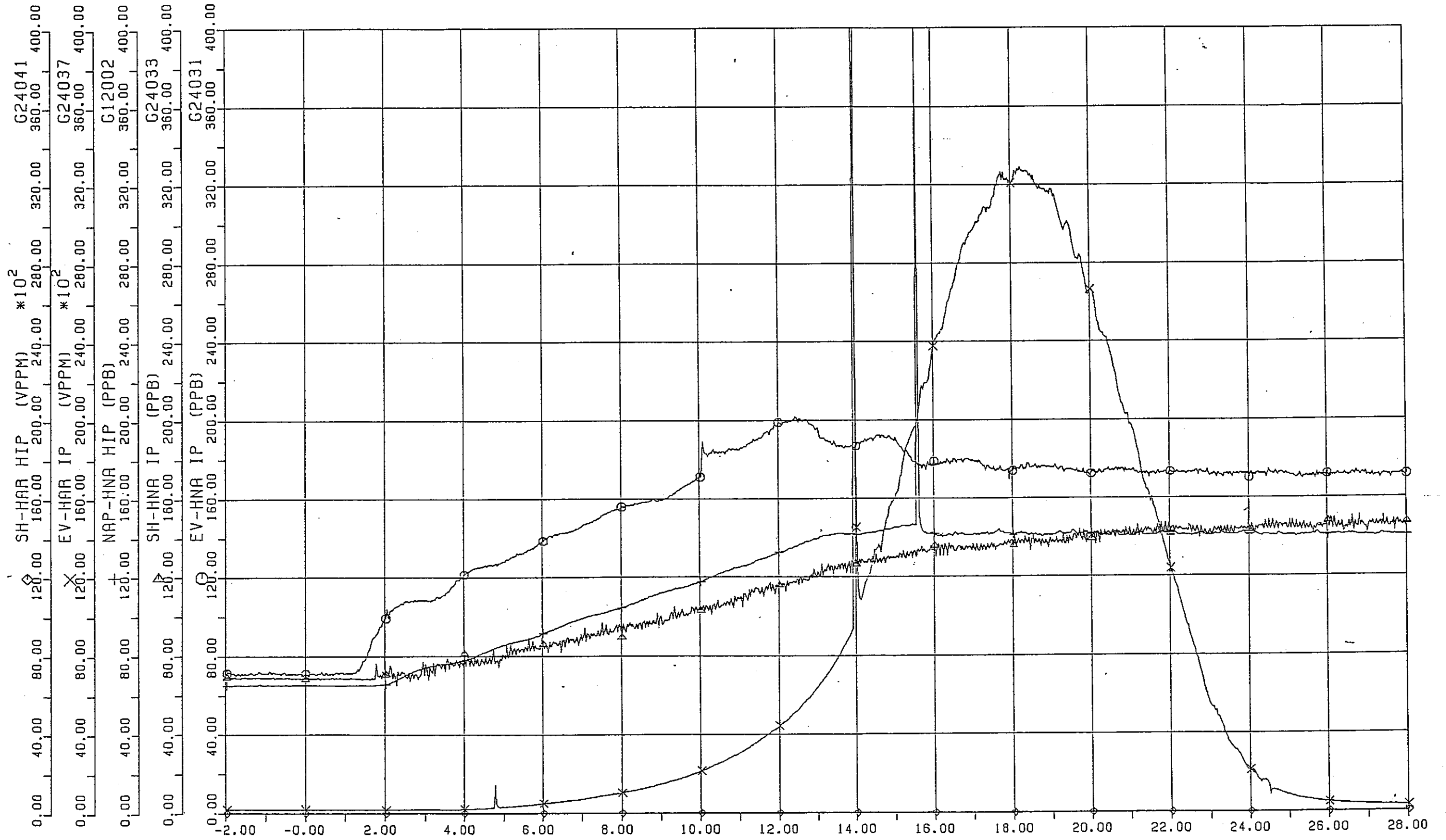


NATEMP= 350.8 NA FLOW = 775.4 T/H INJECTION TIME= 1200.0 SECOND INJECT RATE= 0.008700 G/SEC
81 NEN 03 GATS 01 NICHI 10 ZI 41 FUN 59 BYO TEST
SAMPLING PERIOD 2.00
CASE C907 HYDROGEN INJECTION TEST

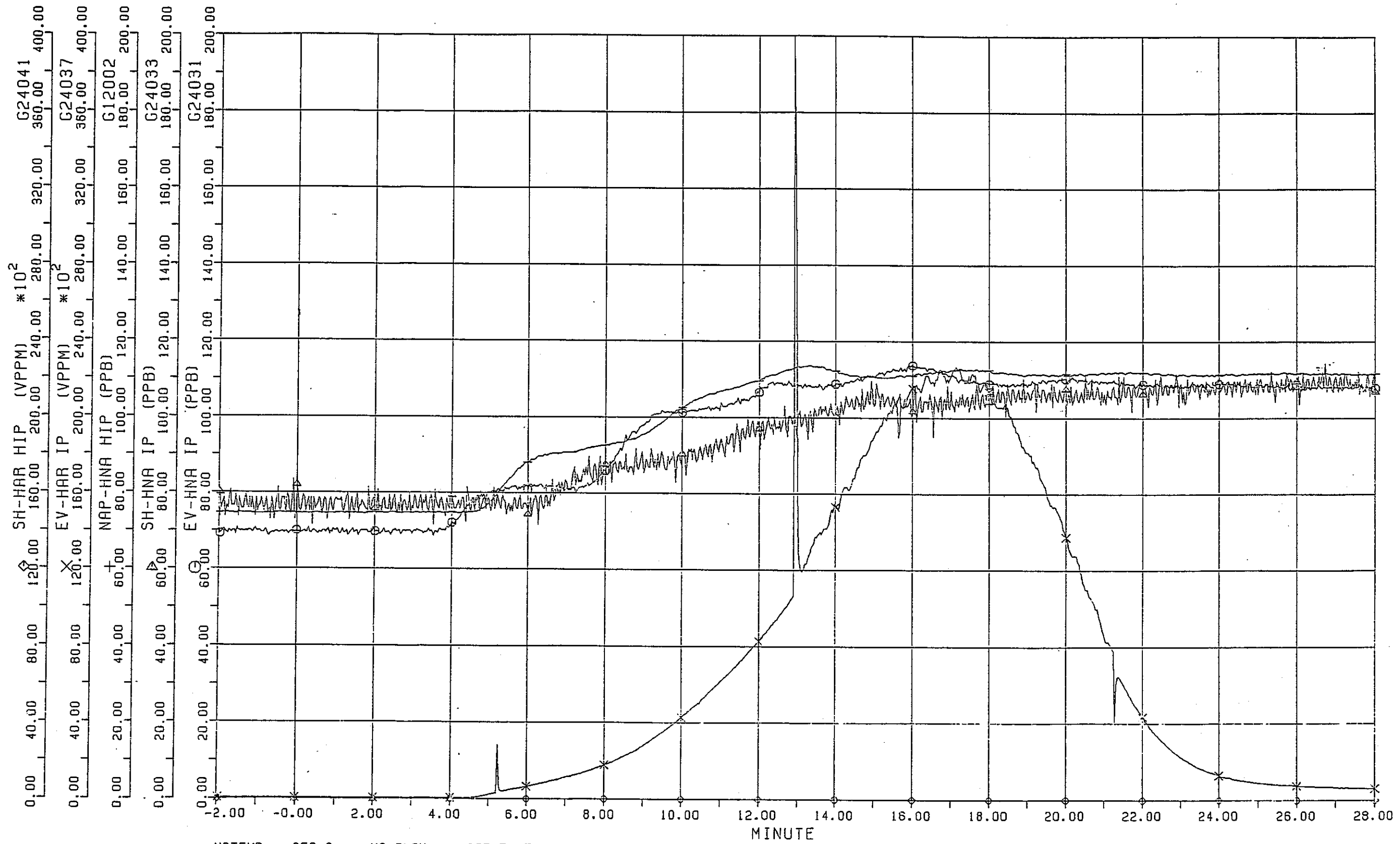


NATEMP= 351.2 NA FLOW = 773.9 T/H INJECTION TIME= 1200.0 SECOND INJECT RATE= 0.008700 G/SEC
 81 NEN 03 GATS 02 NICHI 14 ZI 57 FUN 00 BY0 TEST
 SAMPLING PERIOD 2.00

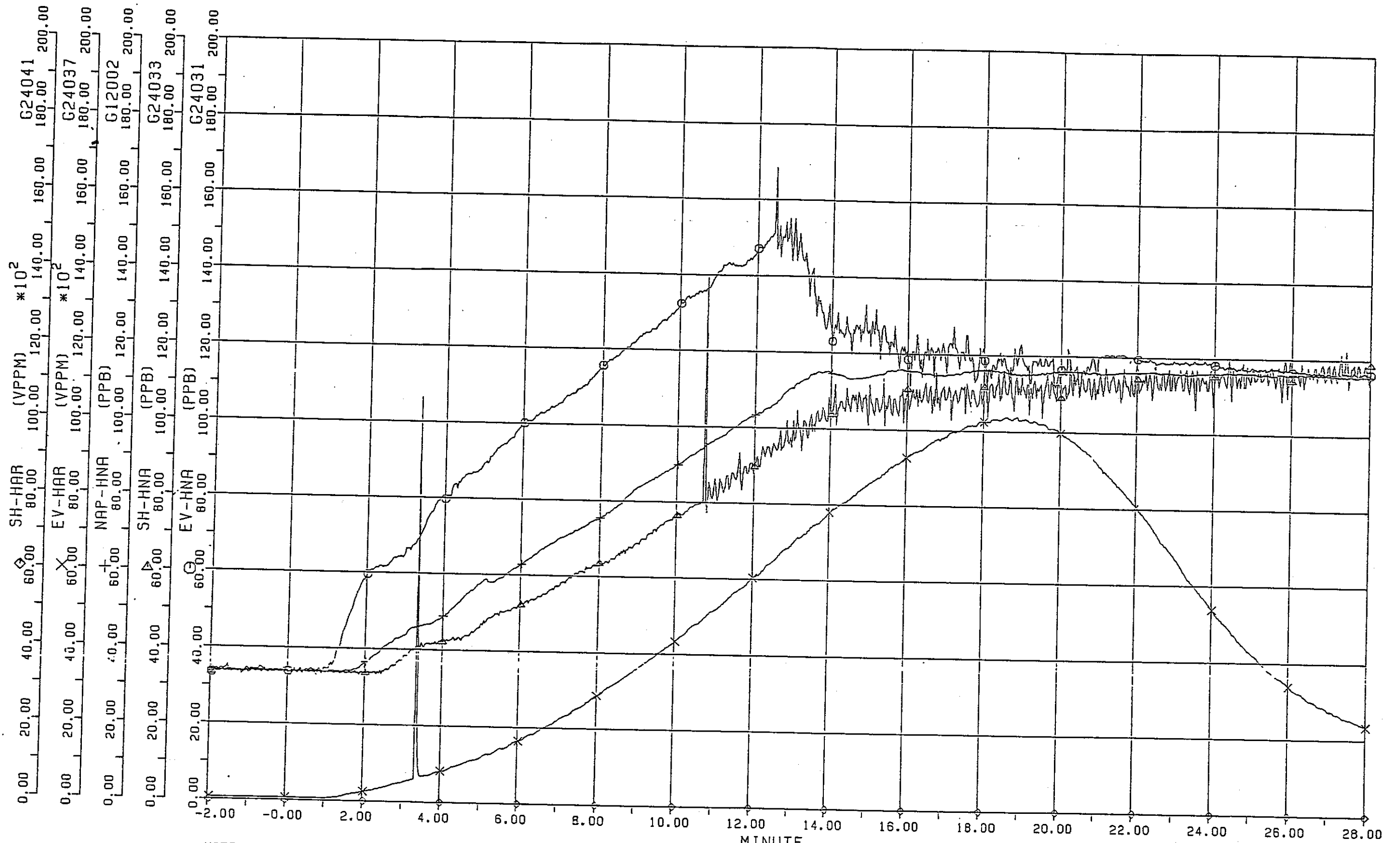
CASE C908 HYDROGEN INJECTION TEST



NATEMP= 348.5 NA FLOW = 777.9 T/H INJECTION TIME= 1200.0 SECOND INJECT RATE= 0.008700 G/SEC
 81 NEN 03 GATS 11 NICHI 13 ZI 17 FUN 55 BYO TEST
 SAMPLING PERIOD 2.00
 CASE C909 HYDROGEN INJECTION TEST

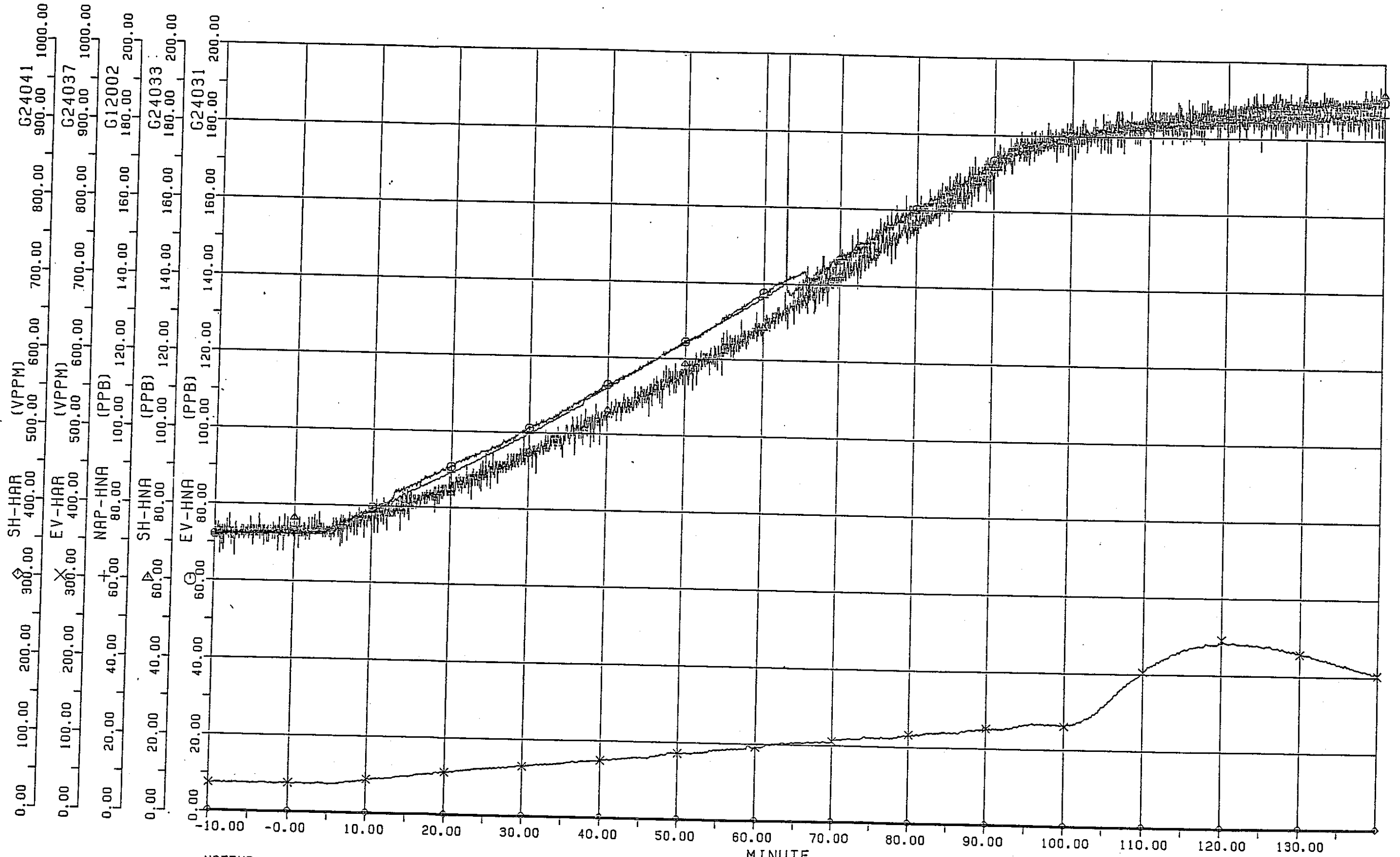


NATEMP= 350.9 NA FLOW = 377.7 T/H INJECTION TIME= 600.0 SECOND INJECT RATE= 0.008700 G/SEC
81 NEN 03 GATS 03 NICHI 12 ZI 15 FUN 04 BYO TEST
SAMPLING PERIOD 2.00
CASE C912 HYDROGEN INJECTION TEST



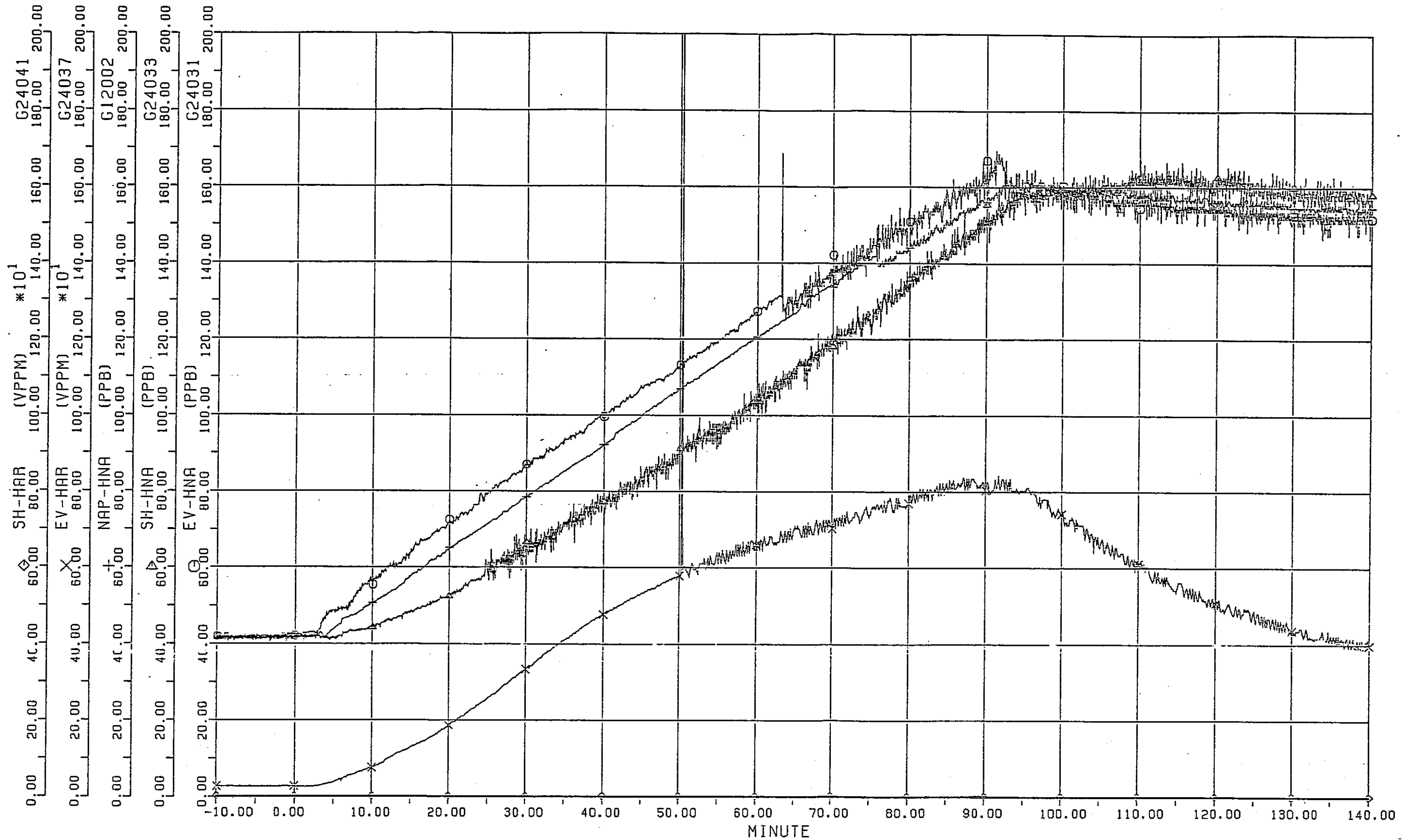
NATEMP= 360.0 NA FLOW = 746.3 T/H INJECTION TIME= 720.0 SECOND INJECT RATE= 0.008700 G/SEC
 81 NEN 06 GATS 08 NICH1 13 ZI 55 FUN 04 BY0 HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00

CASE C913 HYDROGEN INJECTION TEST



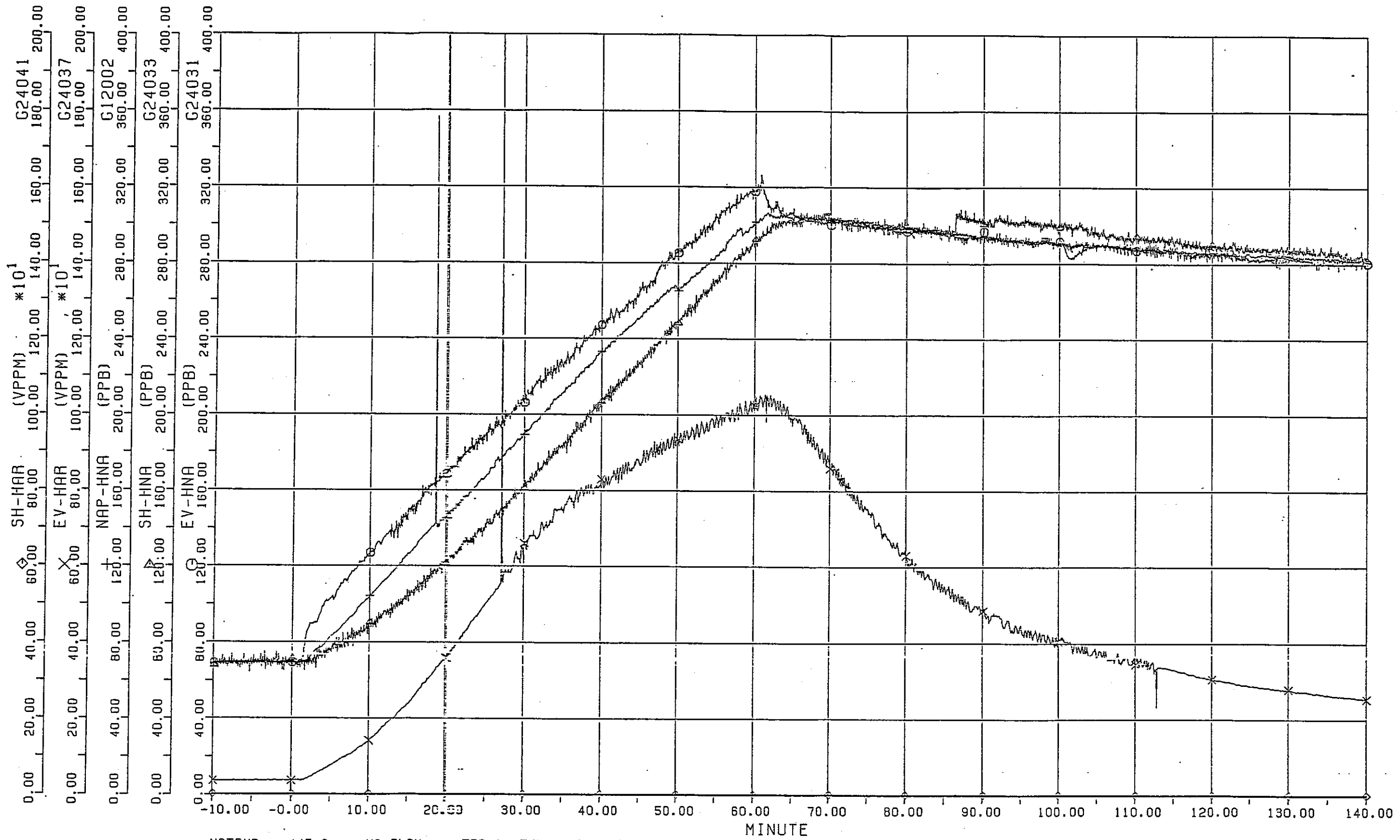
NATEMP= 449.4 NA FLOW = 772.1 T/H INJECTION TIME= 5400.0 SECOND INJECT RATE= 0.001000 G/SEC
 81 NEN 06 GATS 25 NICHI 12 ZI 30 FUN 04 BYO HYDROGEN INJECTION TEST
 SAMPLING PERIOD 4.00

CASE C914 HYDROGEN INJECTION TEST

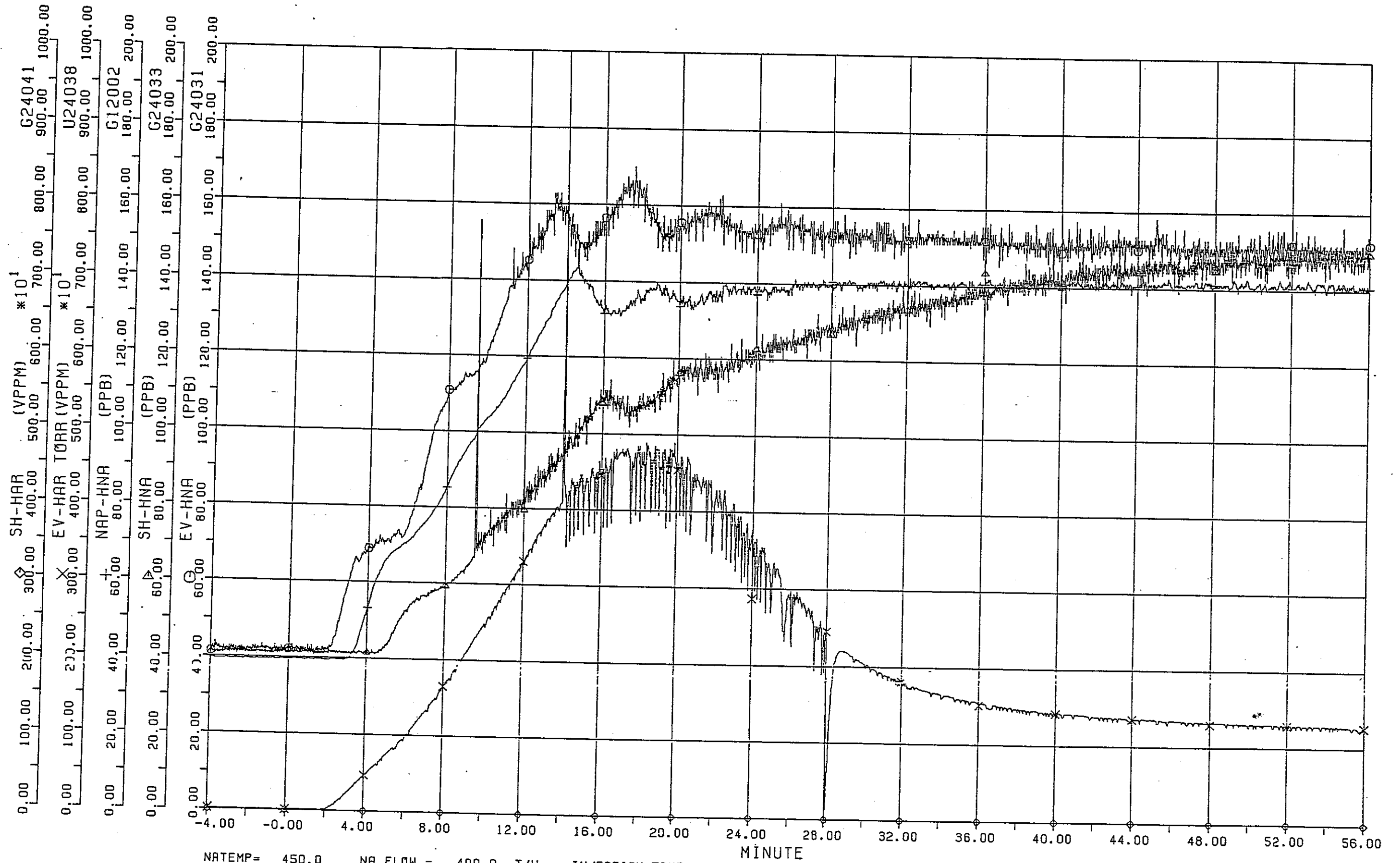


NATEMP= 450.4 NA FLOW = 381.4 T/H INJECTION TIME= 5400.0 SECOND INJECT RATE= 0.001000 G/SEC
81 NEN 06 GATS 23 NICHII 11 ZI 05 FUN 05 BYO HYDROGEN INJECTION TEST
SAMPLING PERIOD 4.00

CASE C915 HYDROGEN INJECTION TEST

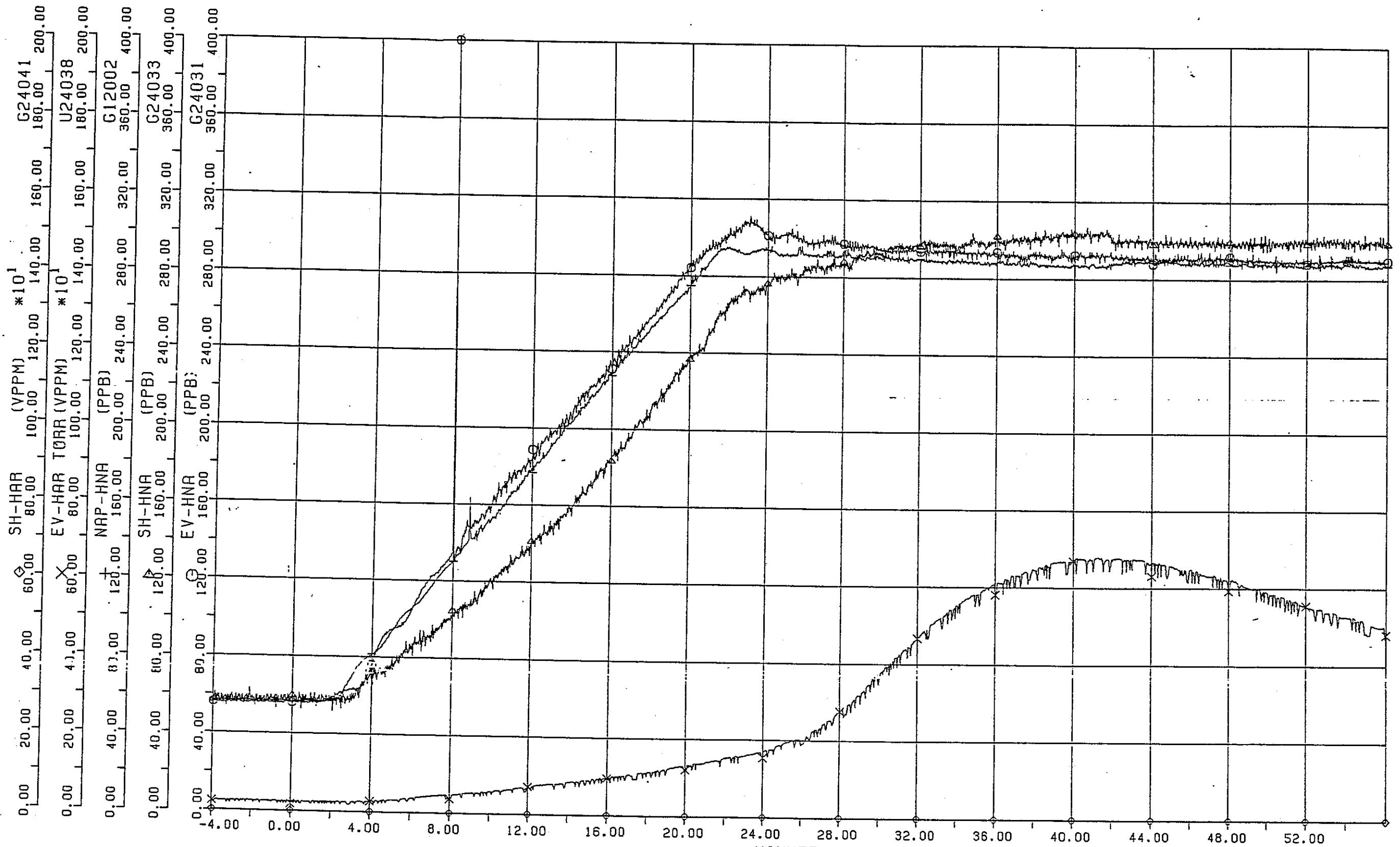


NATEMP= 447.2 NA FLOW = 772.1 T/H INJECTION TIME= 3600.0 SECOND INJECT RATE= 0.003000 G/SEC
 81 NEN 06 GATS 24 KICHI 12 ZI 30 FUN 04 BYO HYDROGEN INJECTION TEST
 SAMPLING PERIOD 4.00
 CASE C916 HYDROGEN INJECTION TEST

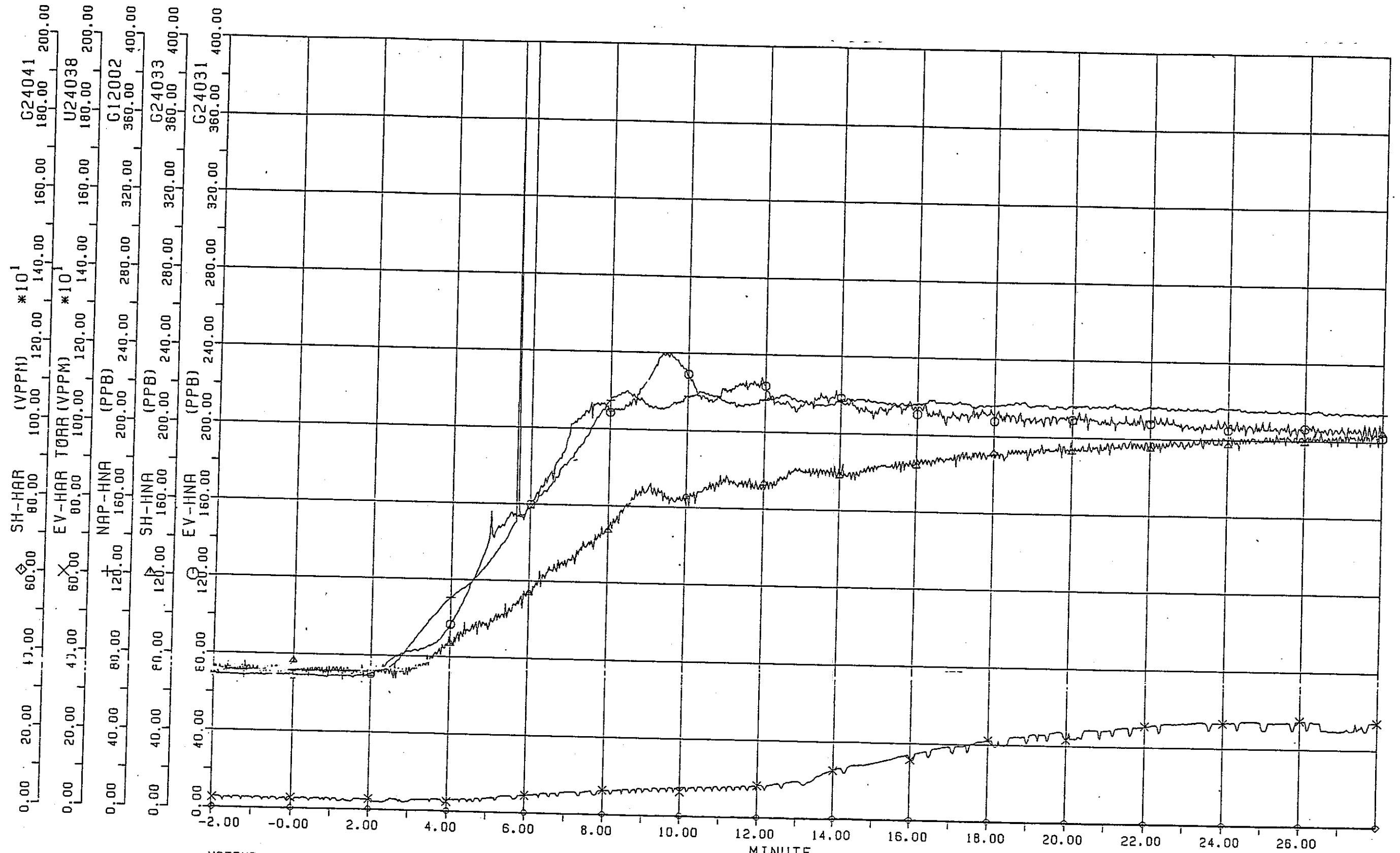


NATEMP= 450.0 NA FLOW = 400.0 T/H INJECTION TIME= 720.0 SECOND INJECT RATE= 0.008700 G/SEC
 81 NEN 07 GATS 04 NICHI 12 ZI 30 FUN 03 BYO HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00

CASE C917 HYDROGEN INJECTION TEST

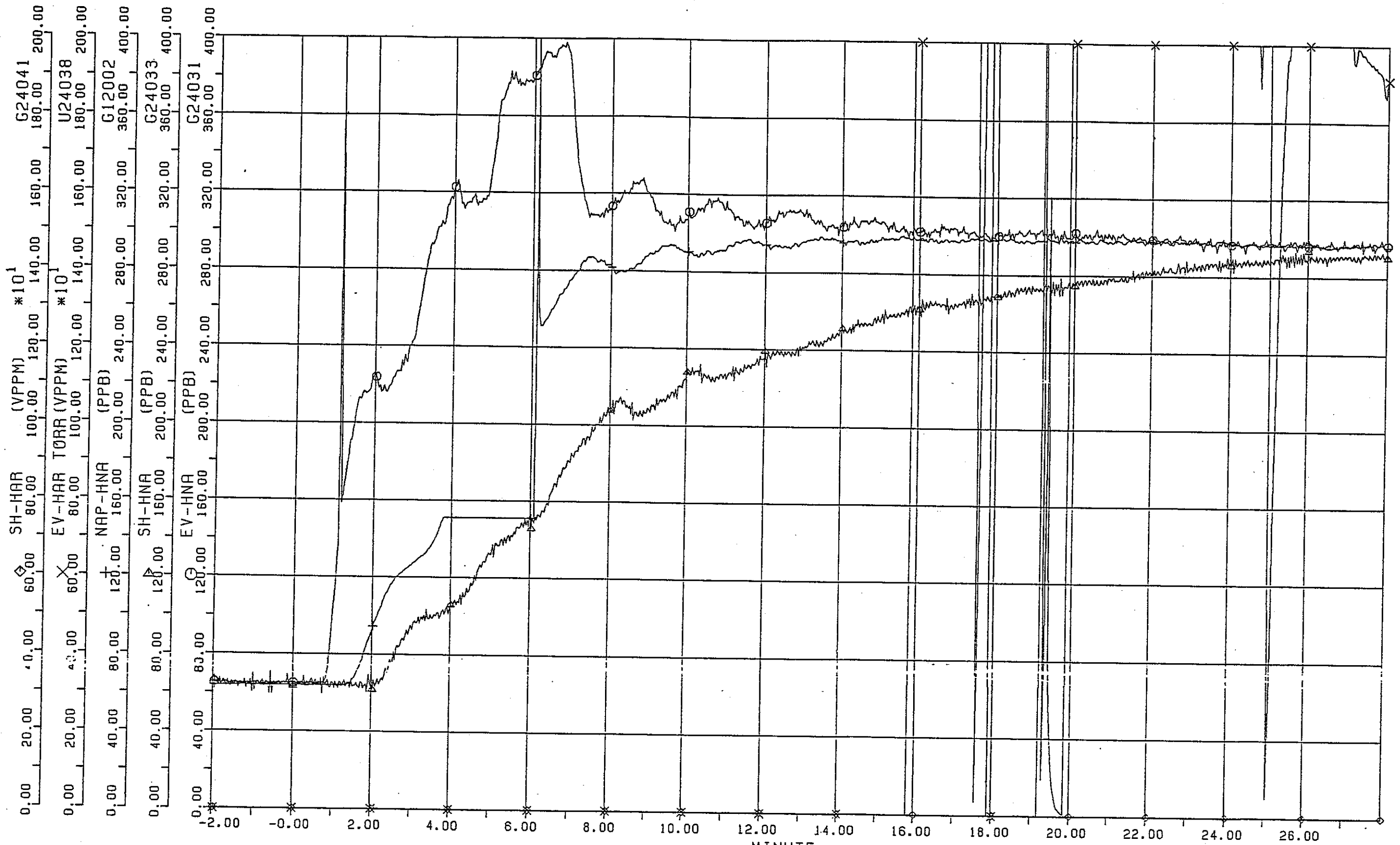


NATEMP= 450.0 NA FLOW = 800.0 T/H INJECTION TIME= 1200.0 SECOND INJECT RATE= 0.008700 G/SEC
81 NEN 07 GATS 05 NICHI 12 ZI 32 FUN 09 BYO HYDROGEN INJECTION TEST
SAMPLING PERIOD 2.00
CASE C918 HYDROGEN INJECTION TEST



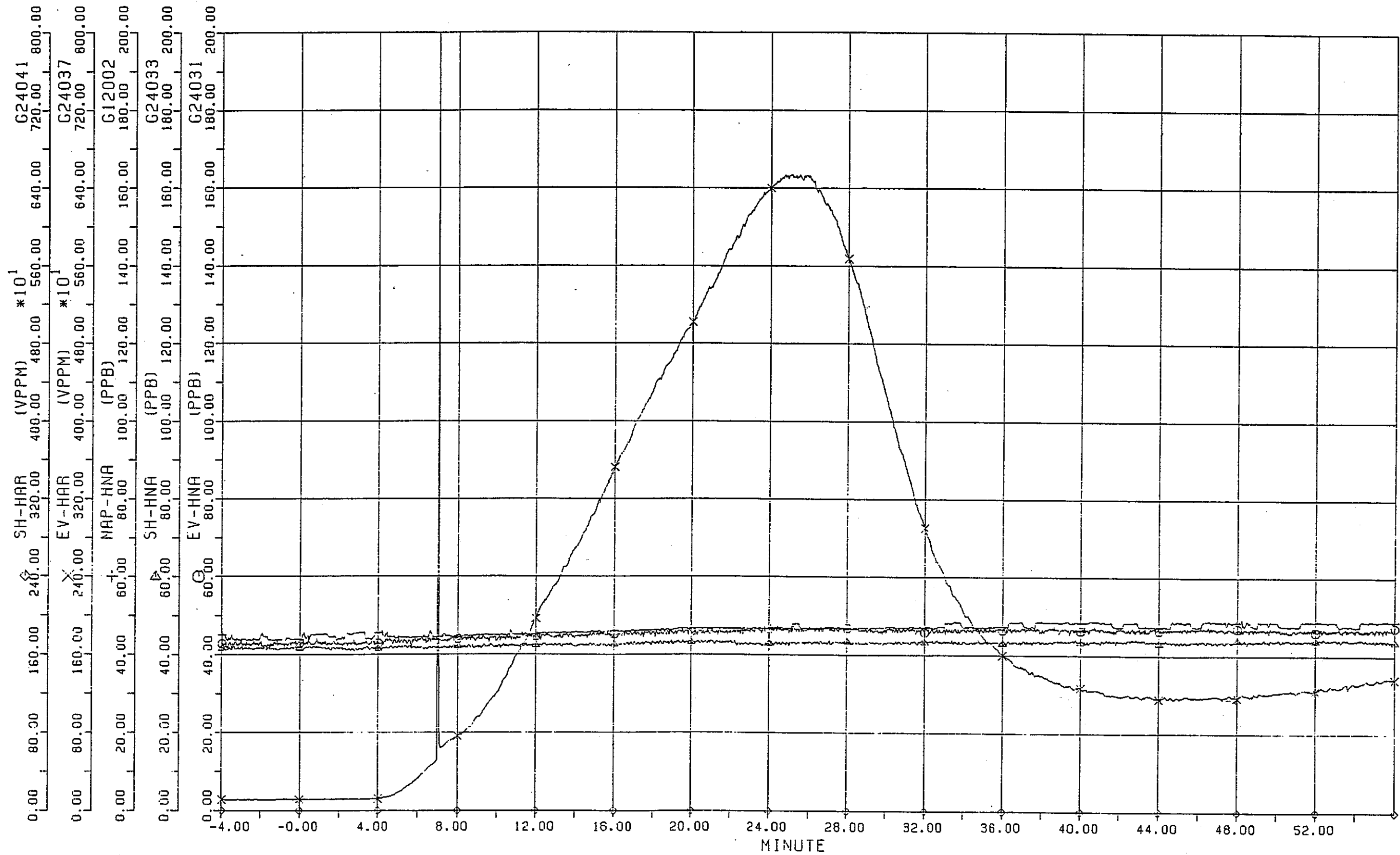
NATEMP= 450.0 NA FLOW = 800.0 T/H INJECTION TIME= 390.0 SECOND INJECT RATE= 0.015000 G/SEC
81 NEN 07 GATS 06 NICH1 12 ZI 37 FUN 03 BYO HYDROGEN INJECTION TEST
SAMPLING PERIOD 2.00

CASE C919 HYDROGEN INJECTION TEST



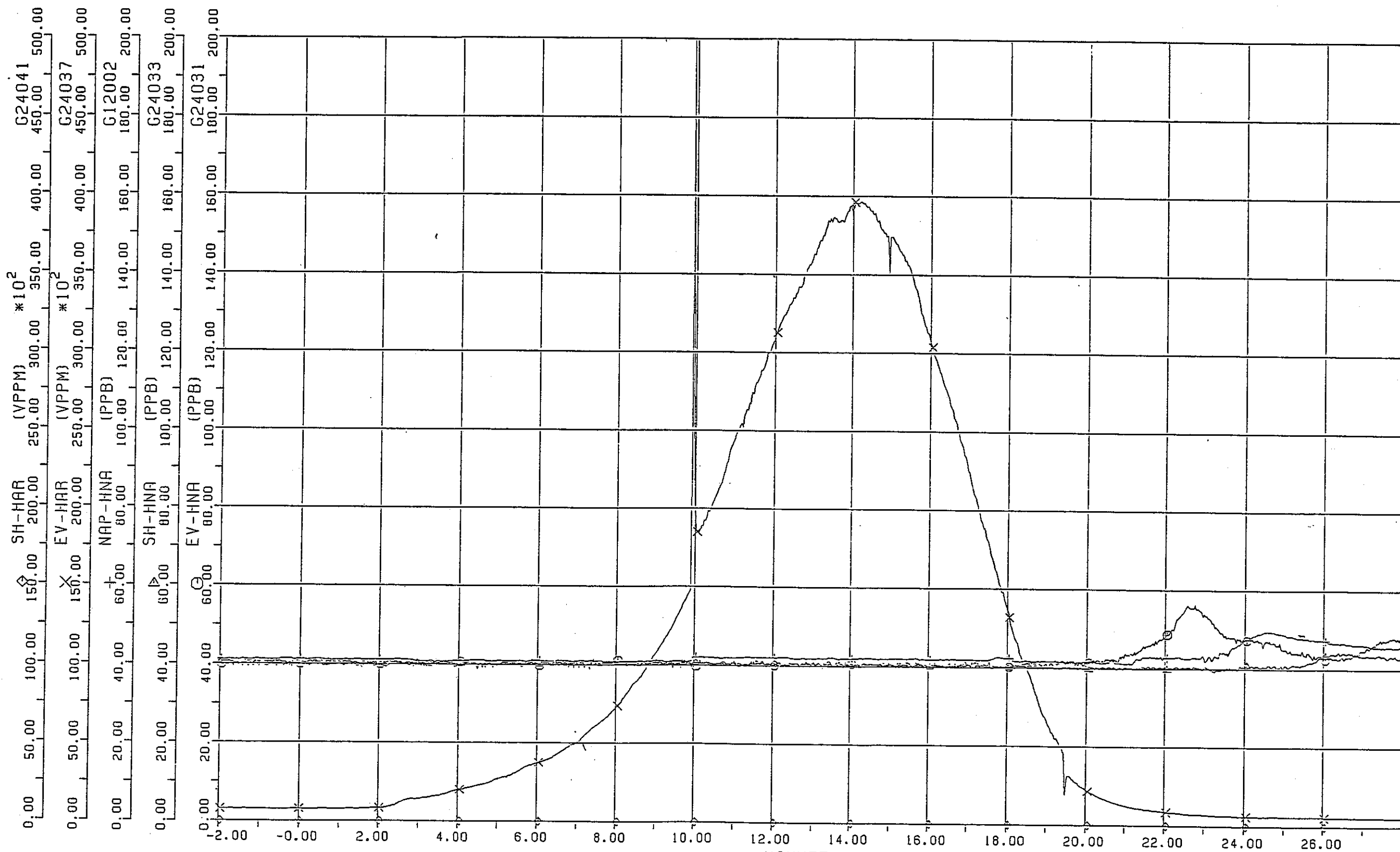
NATEMP= 450.0 NA FLOW = 800.0 T/H INJECTION TIME= 360.0 SECOND INJECT RATE= 0.030000 G/SEC
 81 NEN 07 GATS 07 NICHI 12 ZI 35 FUN 49 BYO HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00

CASE C920 HYDROGEN INJECTION TEST

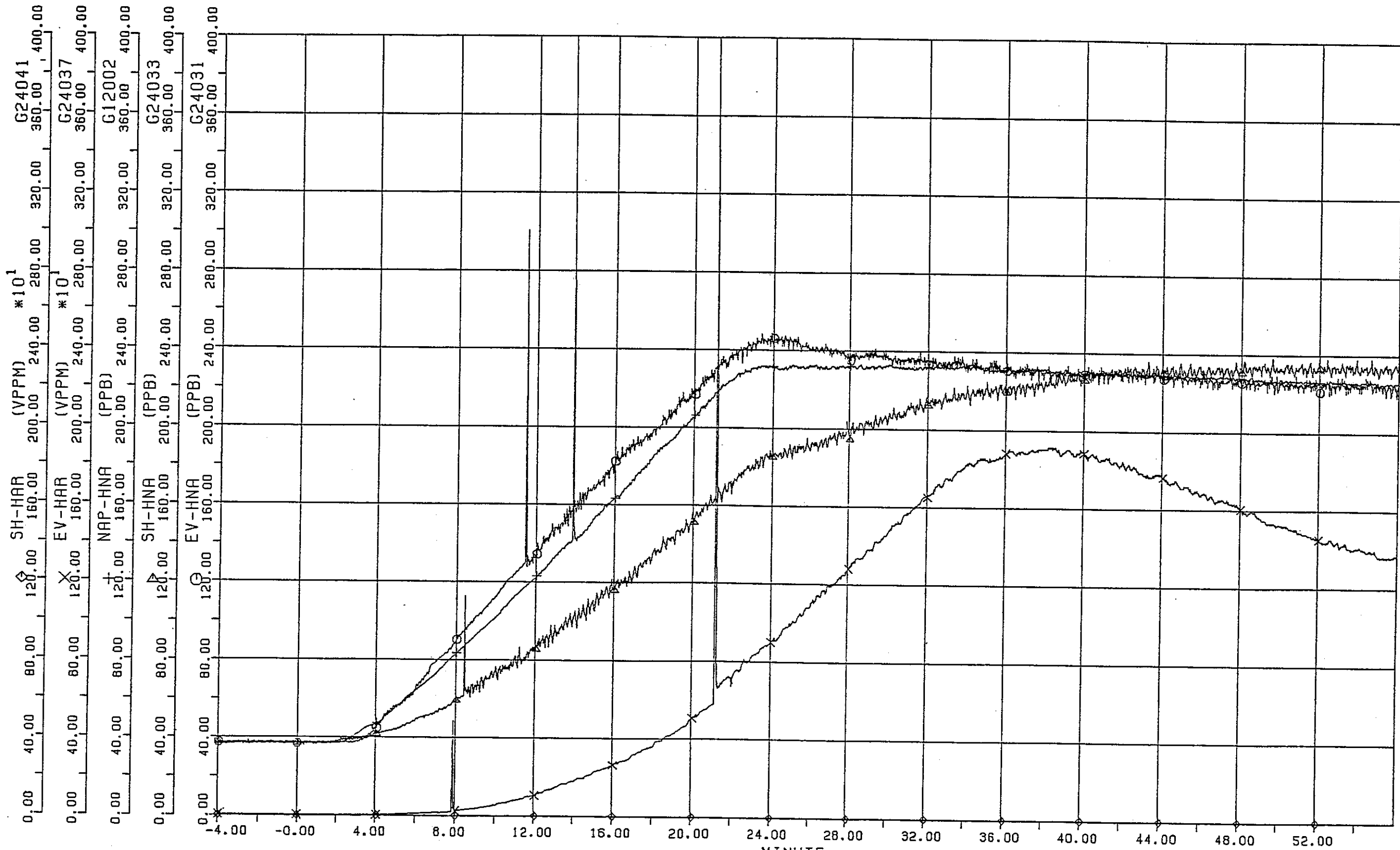


NATEMP= 196.9 NA FLOW = 779.9 T/H INJECTION TIME= 1080.0 SECOND INJECT RATE= 0.008700 G/SEC
 81 NEN 07 COTS 26 NICHI 13 ZI 20 FUN 30 BYO HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00

CASE C921 HYDROGEN INJECTION TEST

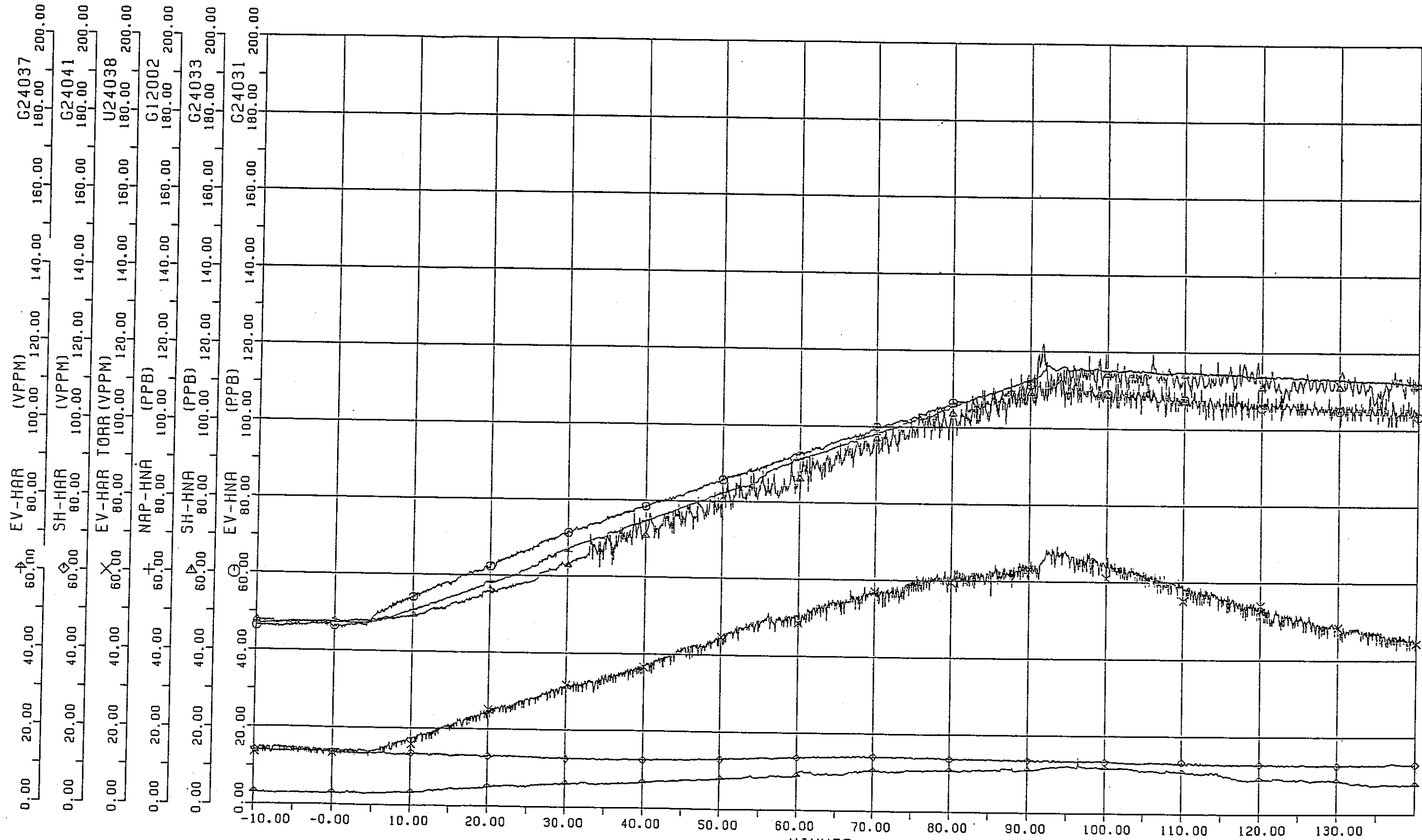


NATEMP= 271.4 NA FLOW = 0.0 T/H INJECTION TIME= 420.0 SECOND INJECT RATE= 0.008700 G/SEC
 81 NEN 07 GATS 27 NICHI 14 ZI 24 FUN 24 BYO HYDROGEN INJECTION TEST
 SAMPLING PERIOD 2.00
 CASE C922 HYDROGEN INJECTION TEST



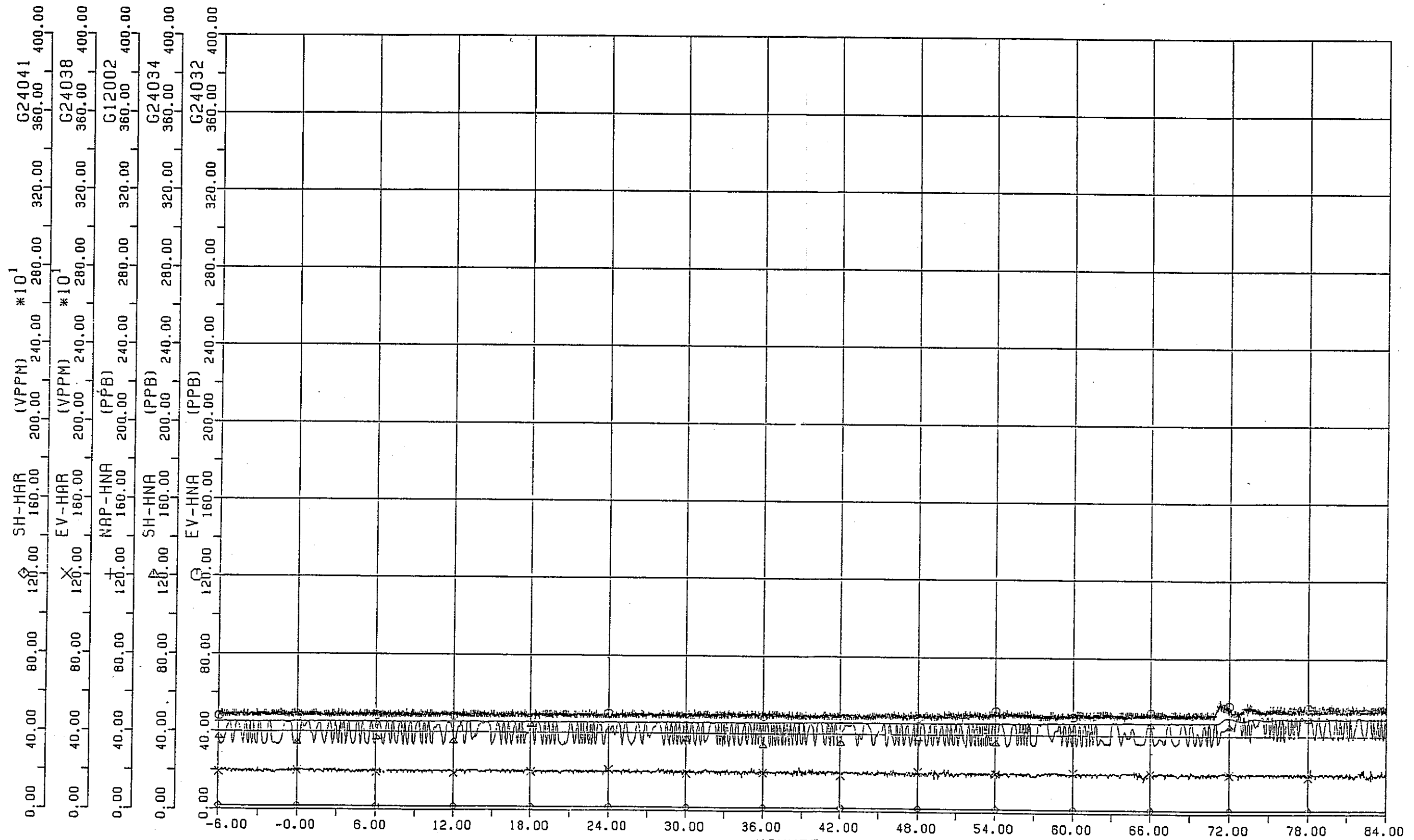
NATEMP= 353.4 NA FLOW = 778.0 T/H INJECTION TIME= 1200.0 SECONO INJECT RATE= 0.008700 G/SEC
81 NEN 07 GATS 25 NICHI 12 ZI 30 FUN 01 BY0 HYDROGEN INJECTION TEST
SAMPLING PERIOD 2.00

CASE C923 HYDROGEN INJECTION TEST



NATEMP= 450.0 NA FLOW = 800.0 T/H INJECTION TIME= 5400.0 SECOND INJECT RATE= 0.000500 G/SEC
81 NEN 11 GATS 29 NICHI 11 ZI 03 FUN 02 BYO HYDROGEN INJECTION TEST
SAMPLING PERIOD 4.00

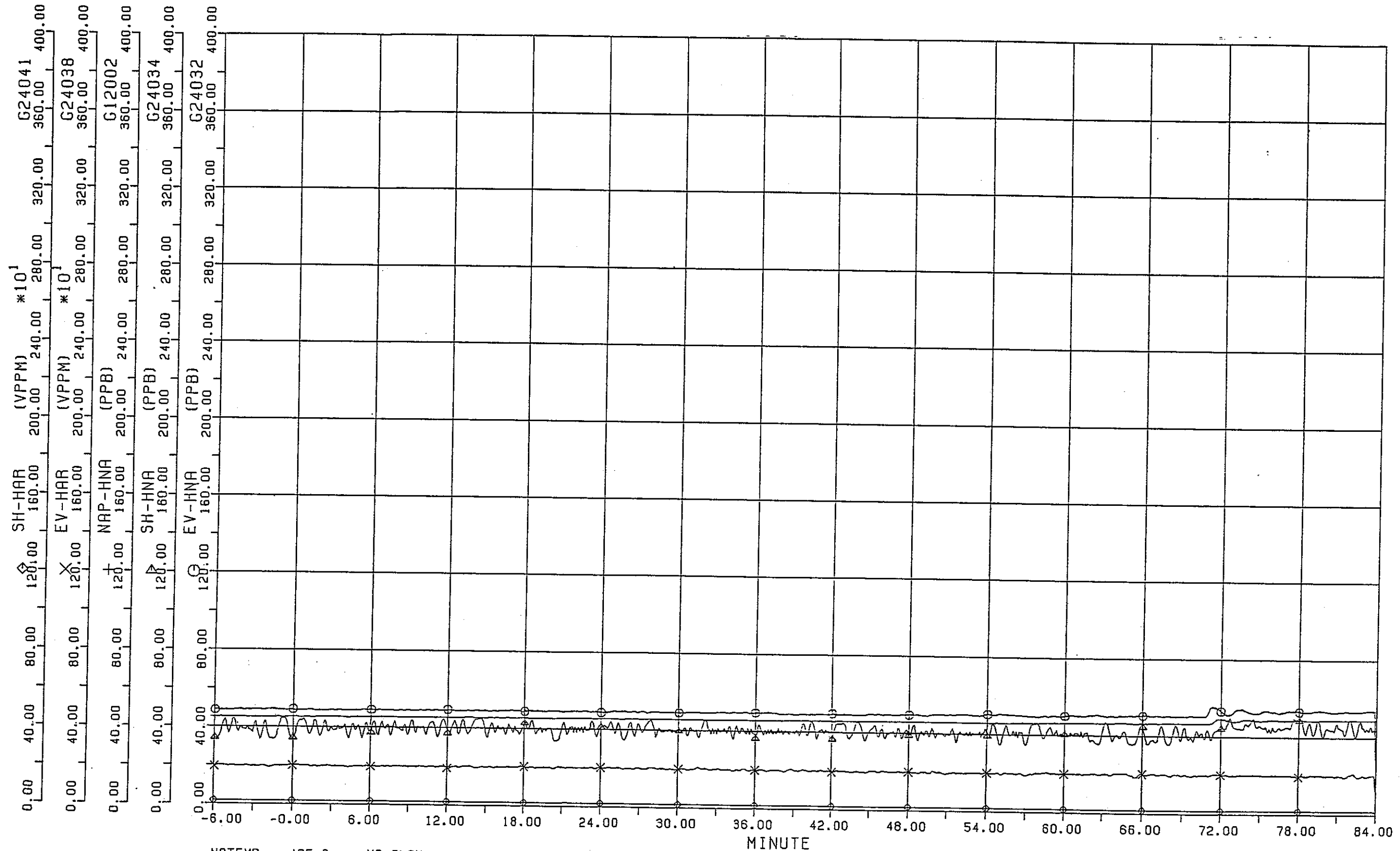
CASE C924 HYDROGEN INJECTION TEST



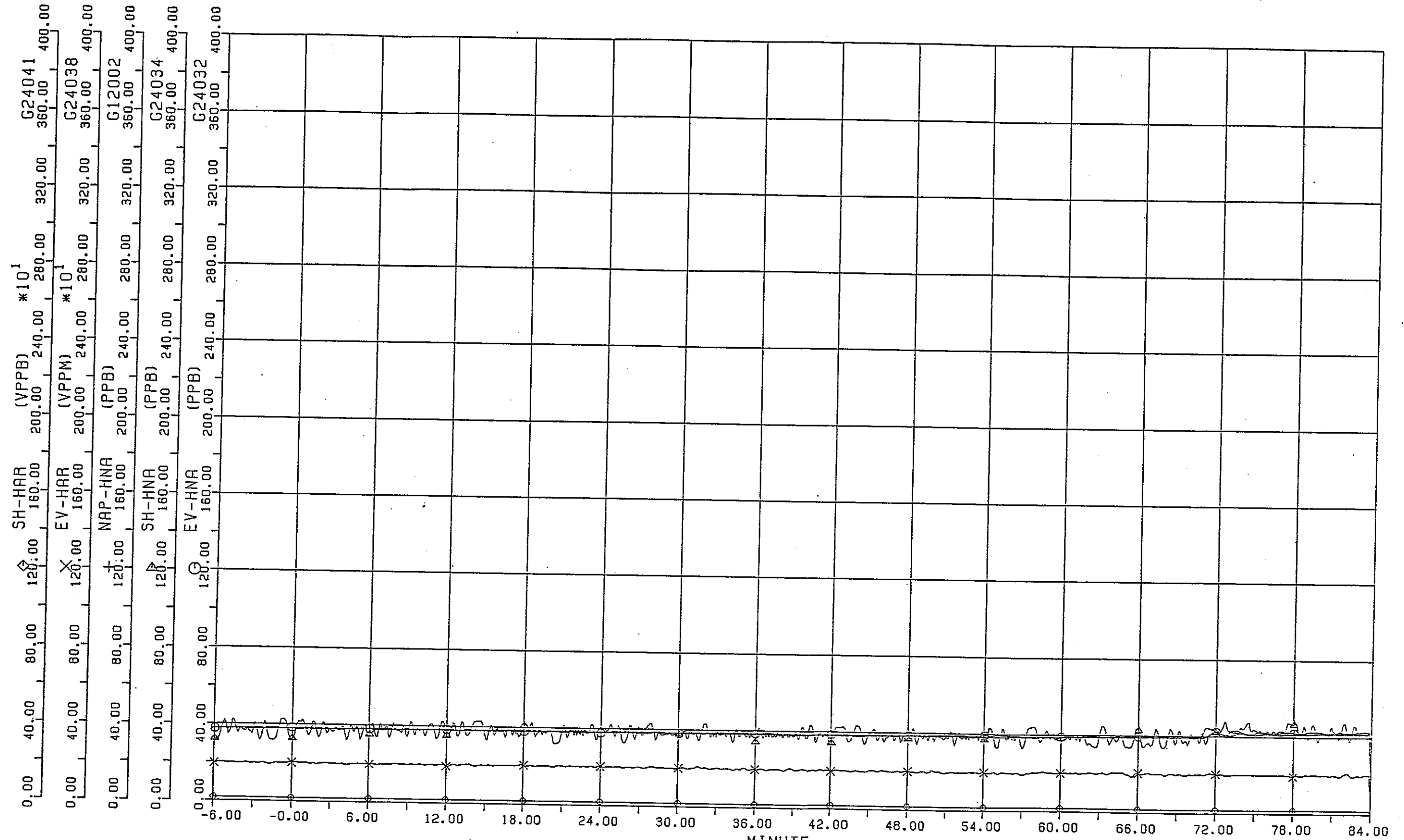
NATEMP= 465.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000050 G/SEC
 83 NEN 04 GATS 20 NICHI 13 ZI 23 FUN 54 BY0 RUN-925,926
 SAMPLING PERIOD 2.00

CASE C925 HYDROGEN INJECTION TEST

平均化 = 10

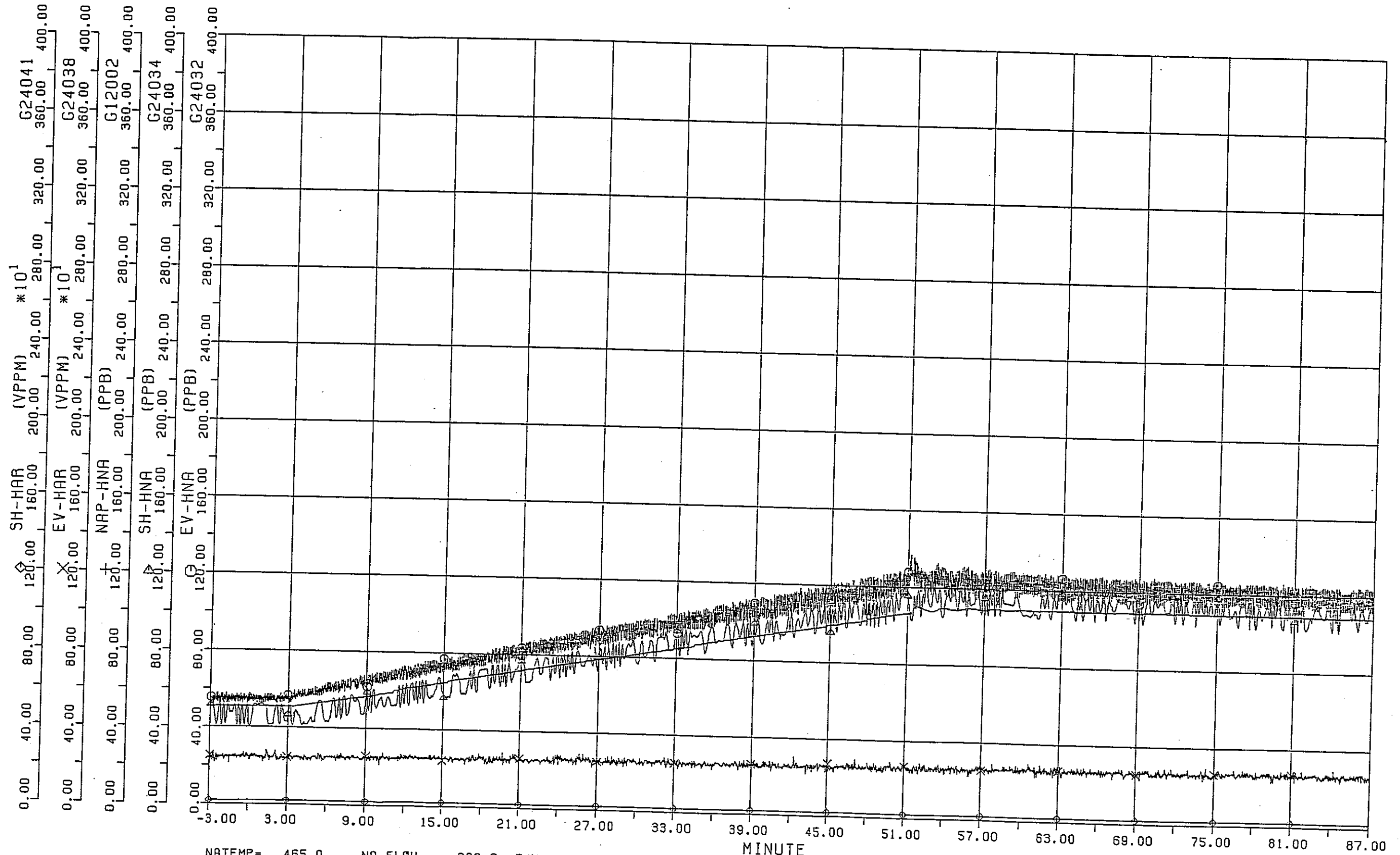


NATEMP= 465.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0
 89 NEN 04 GATS 20 NICHII 13 ZI 23 FUN 54 BYO RUN-925.926 SECOND INJECT RATE= 0.000050 G/SEC
 SAMPLING PERIOD 2.00
 CASE C925 HYDROGEN INJECTION TE



NATEMP= 465.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0
83 NEN 04 GATS 20 NICHI 13 ZI 23 FUN 54 BYO RUN-925.926 SECOND INJECT RATE= 0.000050 G/SEC
SAMPLING PERIOD 2.00

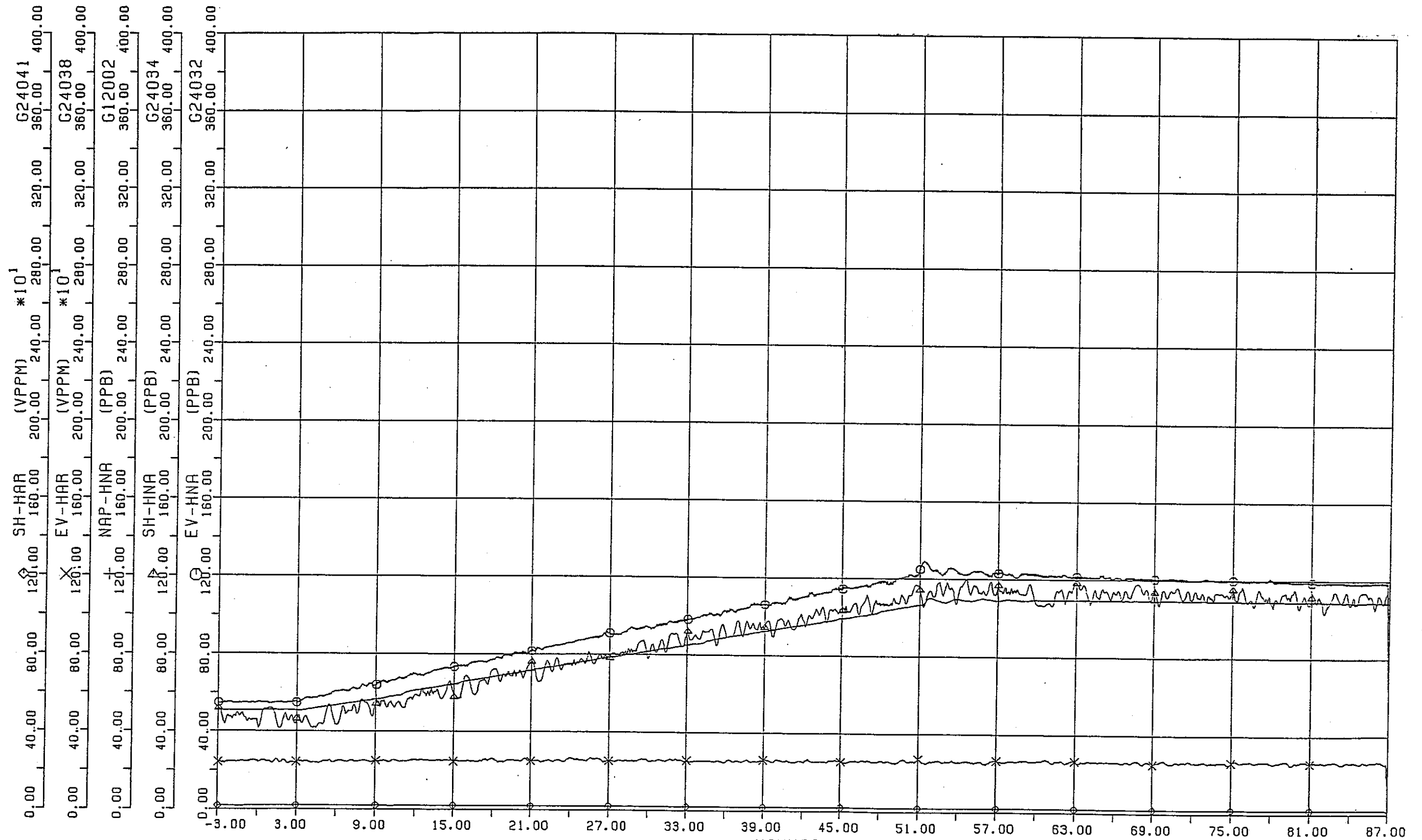
CASE C925 HYDROGEN INJECTION TE



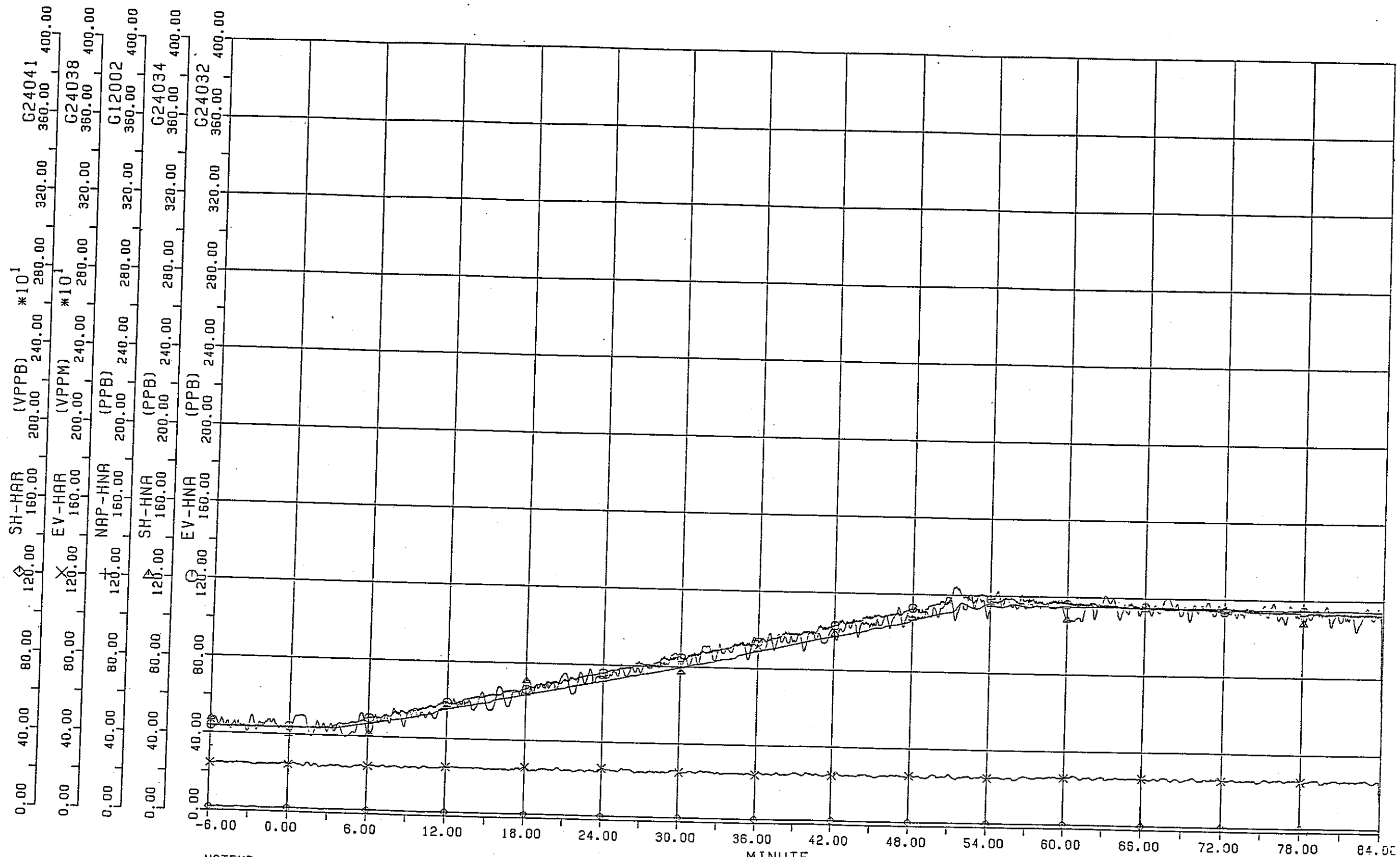
NATEMP= 465.0 NA FLOW = 800.0 T/H INJECTION TIME= 3000.0
 83 NEN 04 GATS 20 NICH I 17 ZI 29 FUN 23 8Y0 RUN-925,926 SECOND INJECT RATE= 0.001000 G/SEC
 SAMPLING PERIOD 2.00

CASE C926 HYDROGEN INJECTION TEST

平均化 = 10

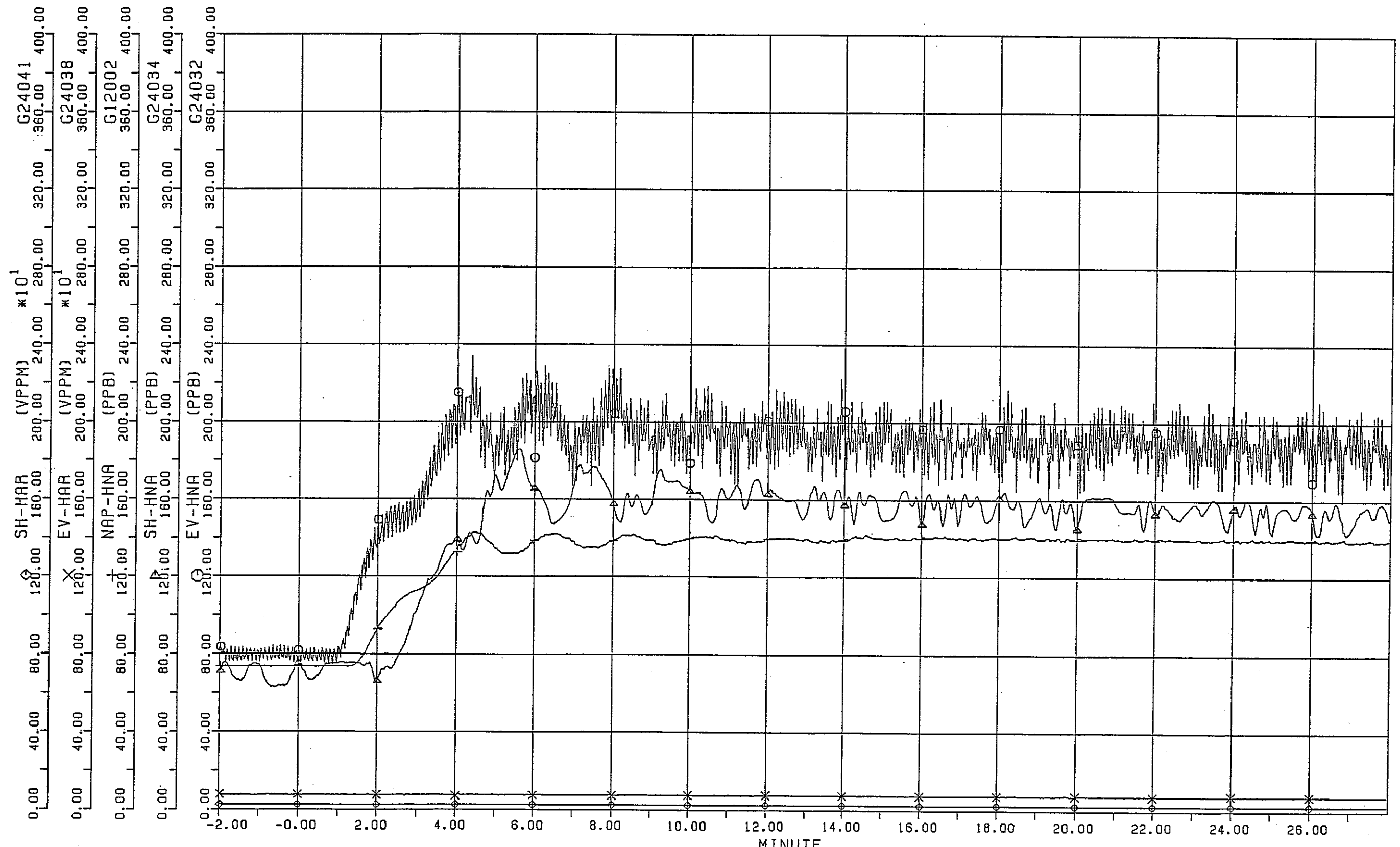


NATEMP= 465.0 NA FLOW = 800.0 T/H INJECTION TIME= 3000.0 SECOND INJECT RATE= 0.001000 G/SEC
 83 NEN 04 GATS 20 NICHI 17 ZI 29 FUN 23 BYO RUN-925,926
 SAMPLING PERIOD 2.00
 CASE C926 HYDROGEN INJECTION TES



NATEMP= 465.0 NA FLOW = 800.0 T/H INJECTION TIME= 3000.0
 83 NEN 04 GATS 20 NICHI 17 ZI 29 FUN 23 BYO RUN-925,926 SECOND INJECT RATE= 0.001000 G/SEC
 SAMPLING PERIOD 2.00

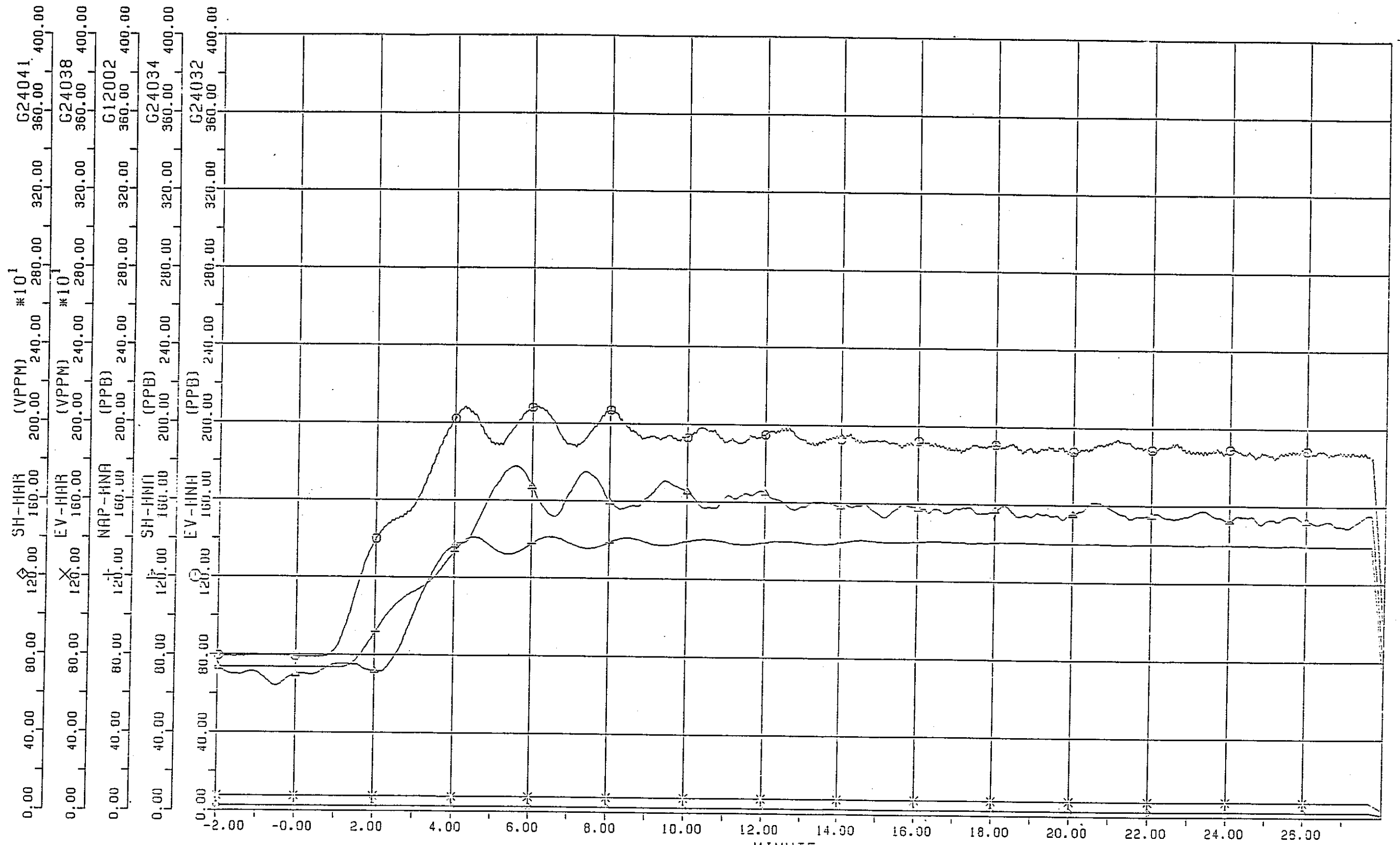
CASE C926 HYDROGEN INJECTION TE



NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 0.020000 G/SEC
 83 NEN 04 GATS 21 NICHI 10 ZI 00 FUN 03 BYO RUN-925,926
 SAMPLING PERIOD 2.00

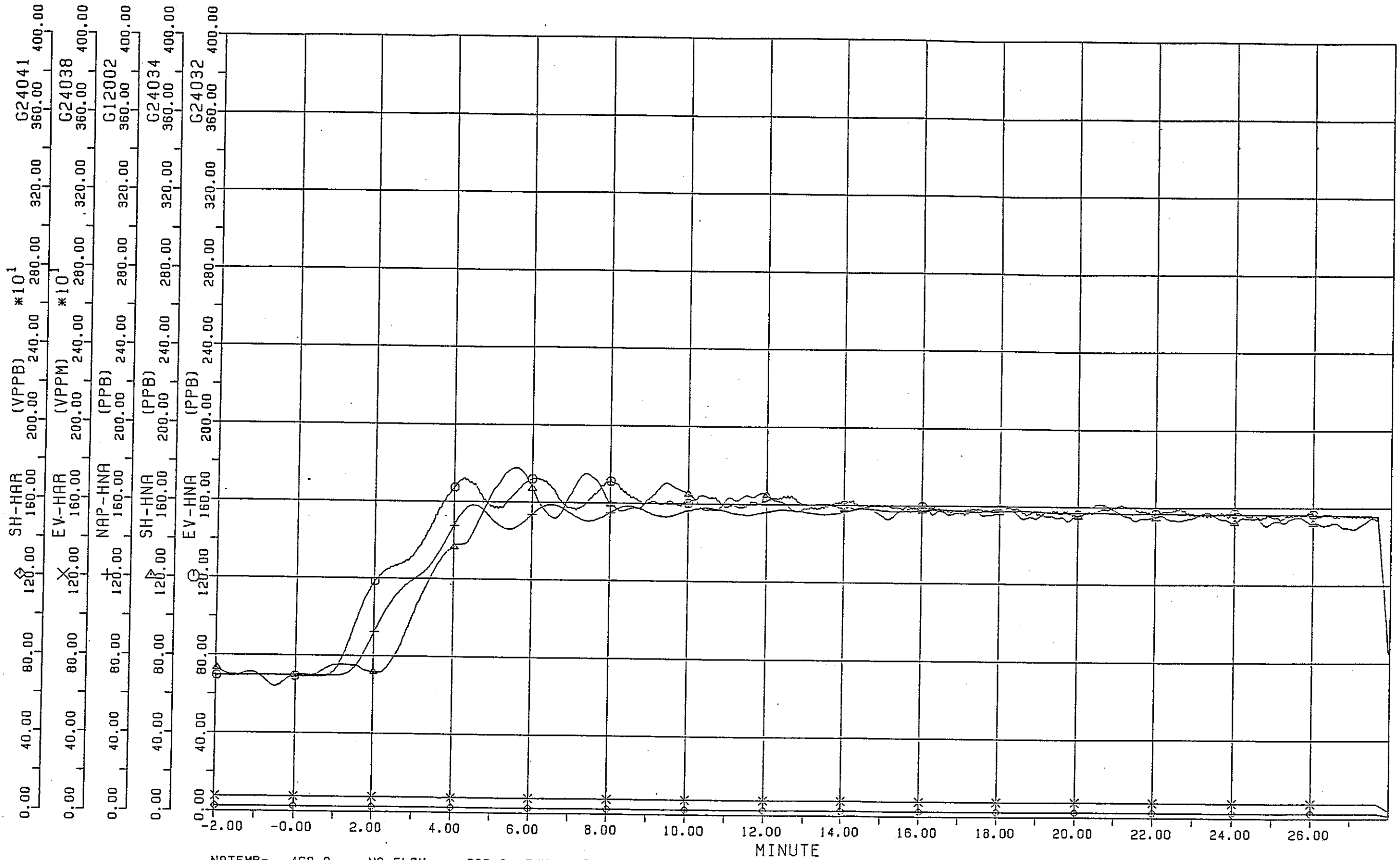
CASE C927 HYDROGEN INJECTION TEST

平均化 = 20

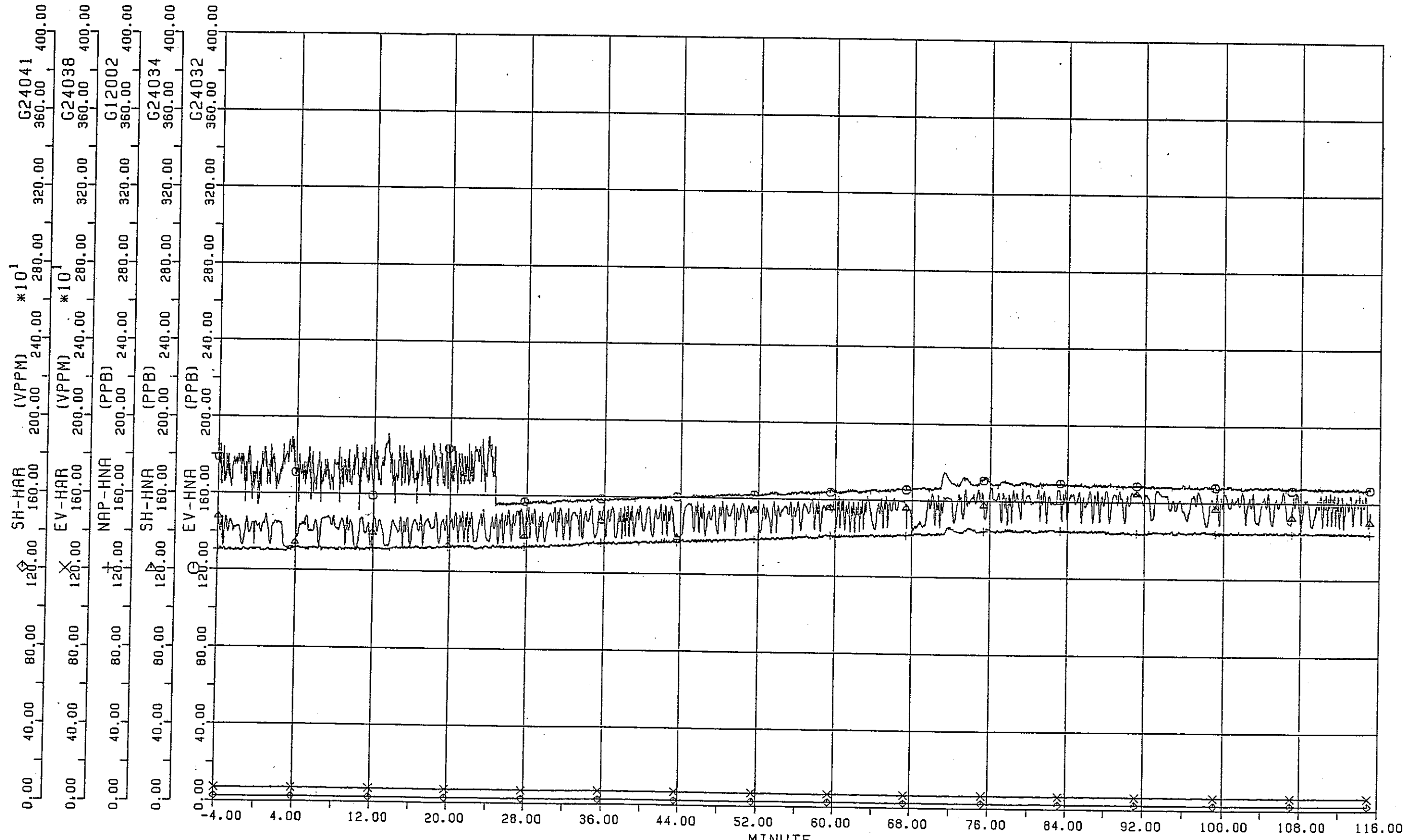


WATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 180.0
 83 HEN 04 GATS 21 HICHI 10 ZI 00 FUN 03 BYO RUN-925,926 SECOND INJECT RATE= 0.020000 G/SEC
 SAMPLING PERIOD 2.00

CASE C927 HYDROGEN INJECTION TE:



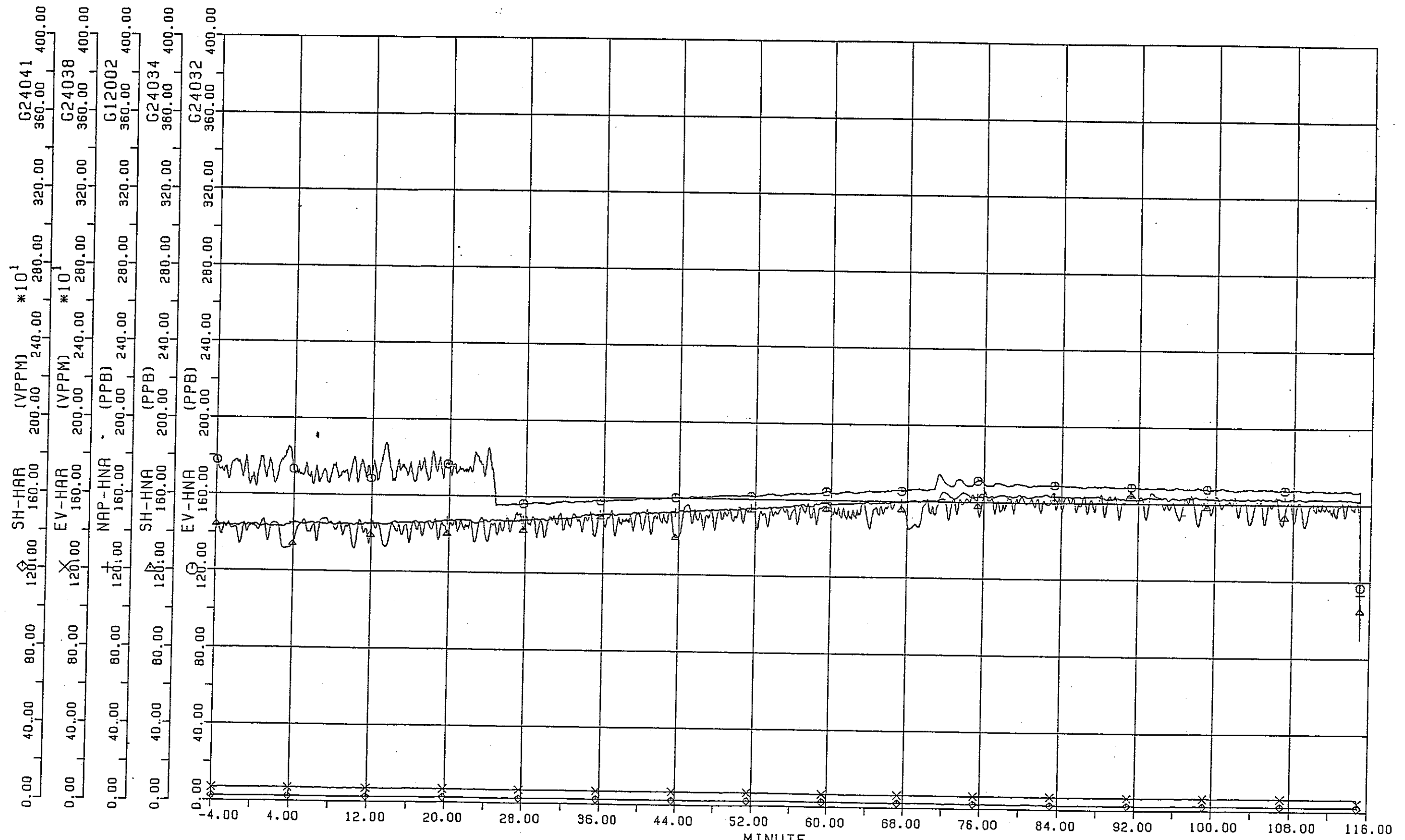
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 0.020000 G/SEC
83 NEN 04 GATS 21 NICH1 10 ZI 00 FUN 03 BY0 RUN-925,926
SAMPLING PERIOD 2.00
CASE C927 HYDROGEN INJECTION TE:



NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 420.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 04 GATS 21 NICHI 10 ZI 00 FUN 03 BYO RUN-925.926
SAMPLING PERIOD 2.00

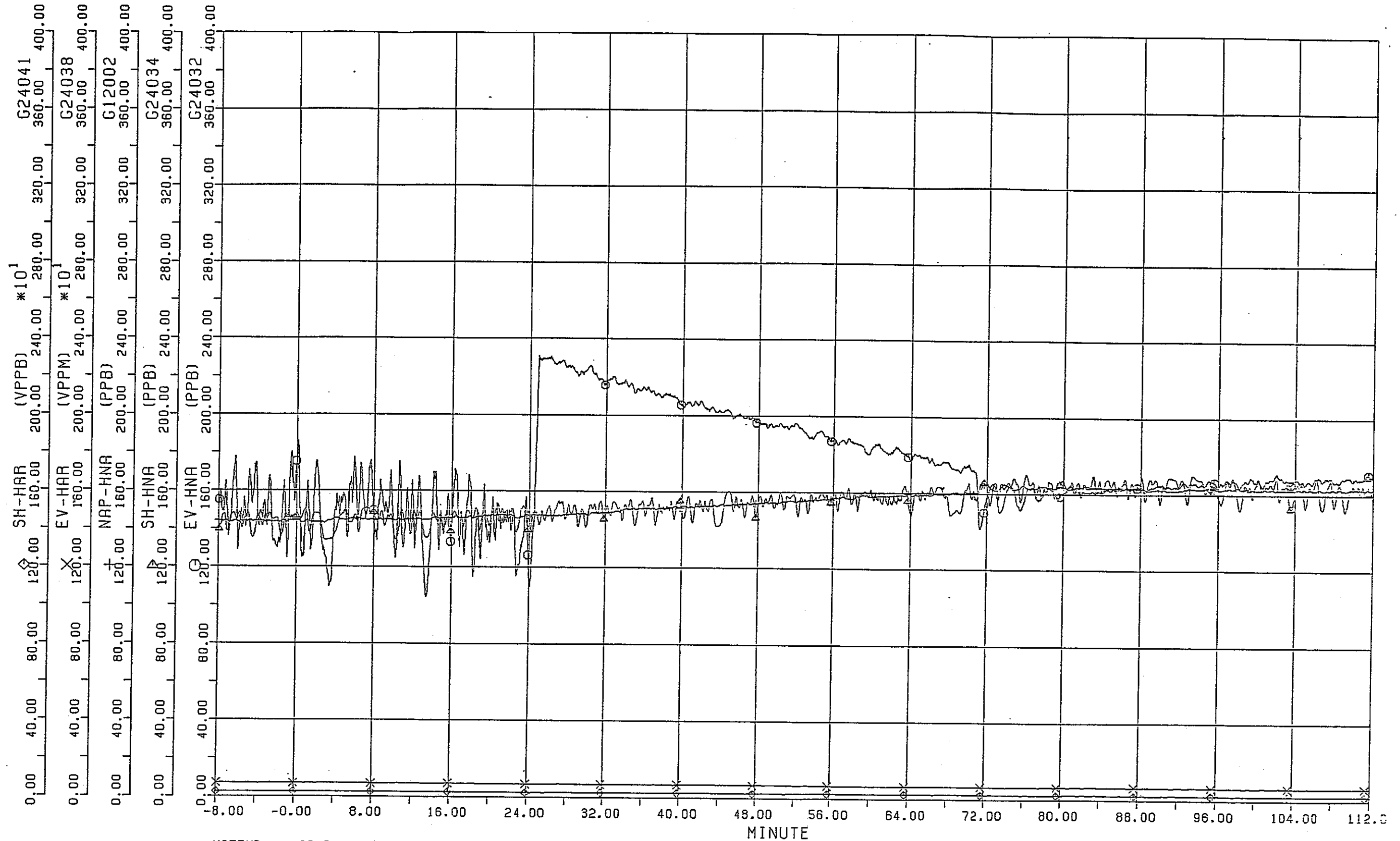
CASE C928 HYDROGEN INJECTION TEST

平均化 = 10



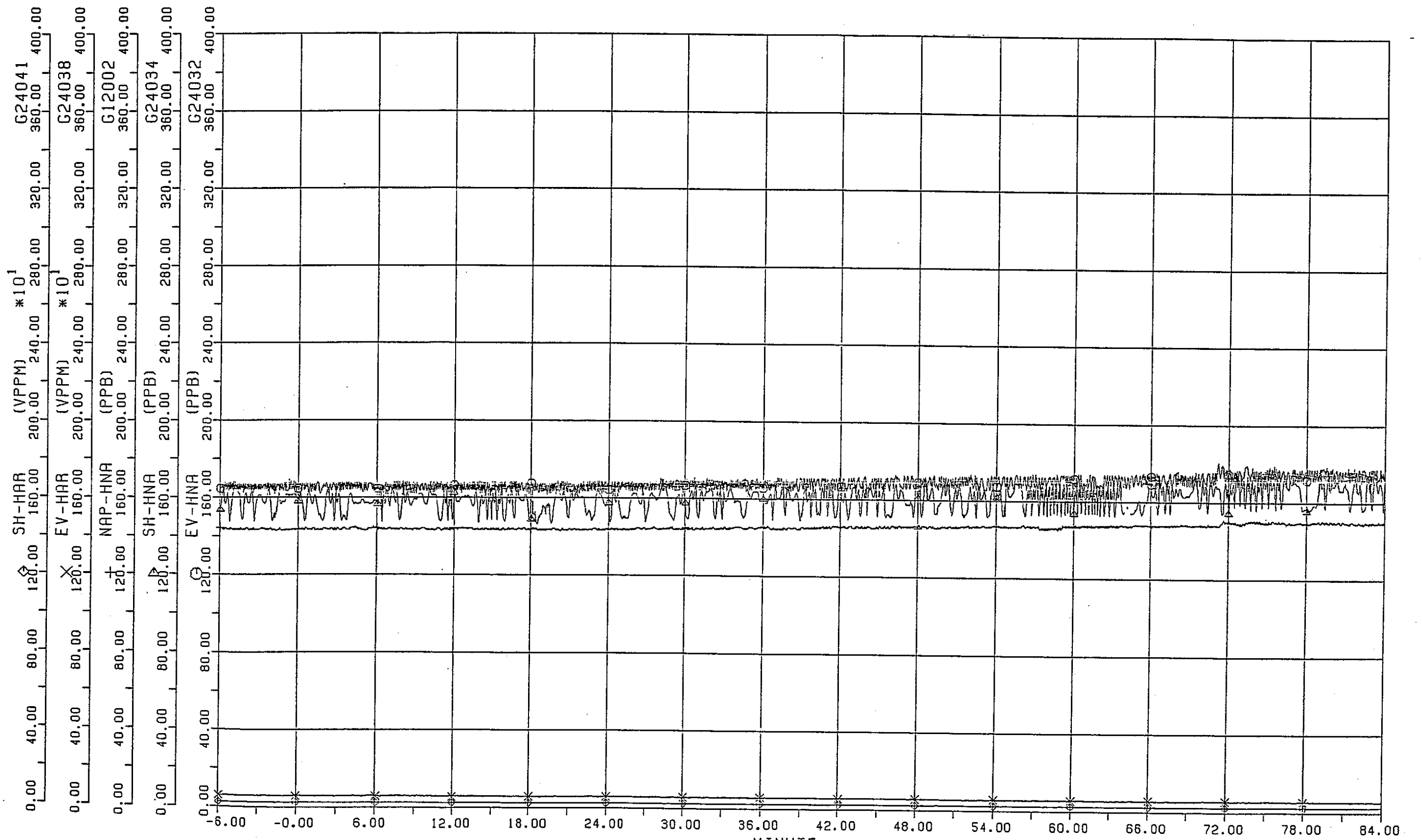
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 420.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 04 GATS 21 NICHI 10 ZI 00 FUN 03 BYO RUN-925,926
SAMPLING PERIOD 2.00

CASE C928 HYDROGEN INJECTION TEST



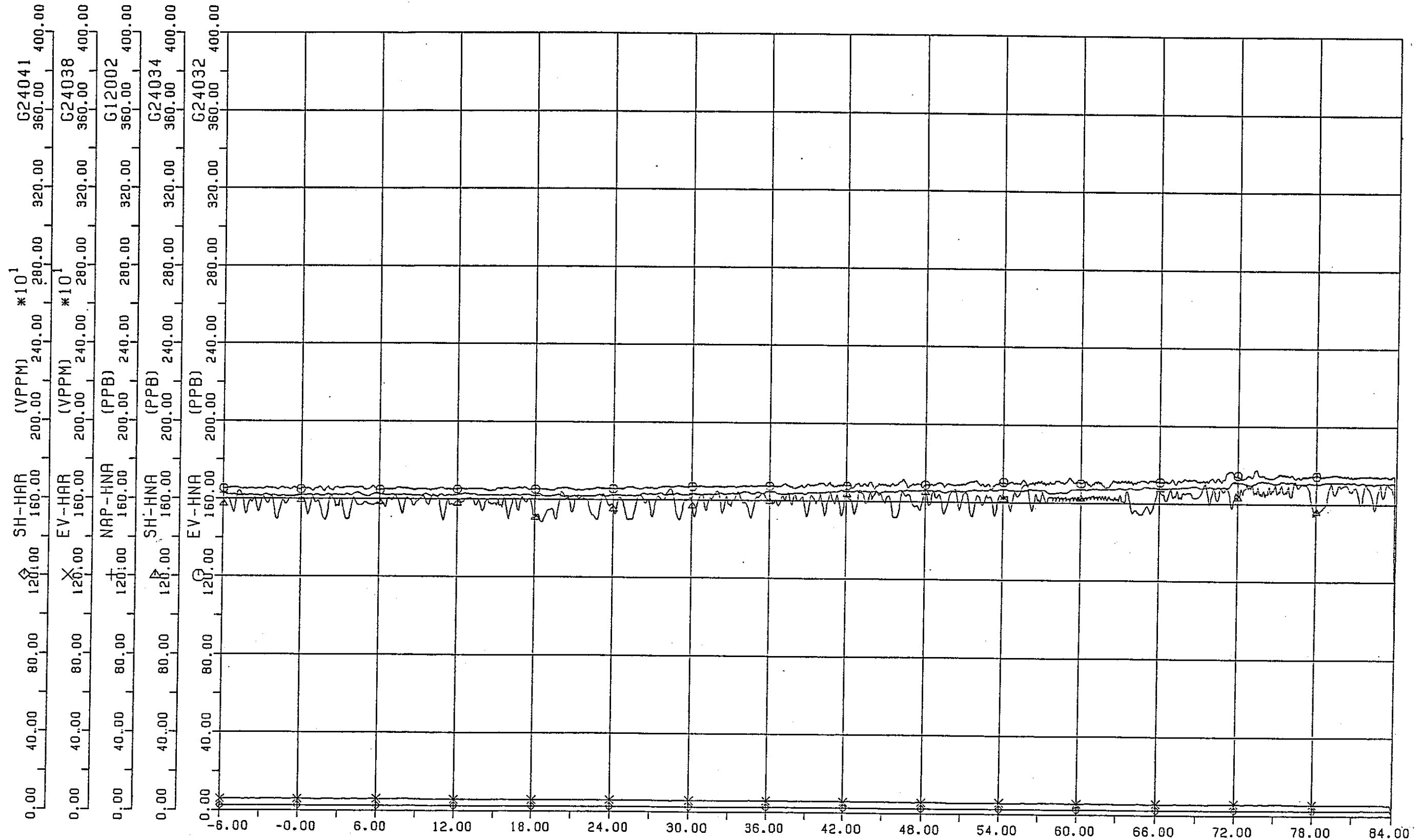
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 420.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 04 GATS 21 NICH 10 ZI 00 FUN 03 BY0 RUN-925,926
SAMPLING PERIOD 2.00

CASE C928 HYDROGEN INJECTION TE



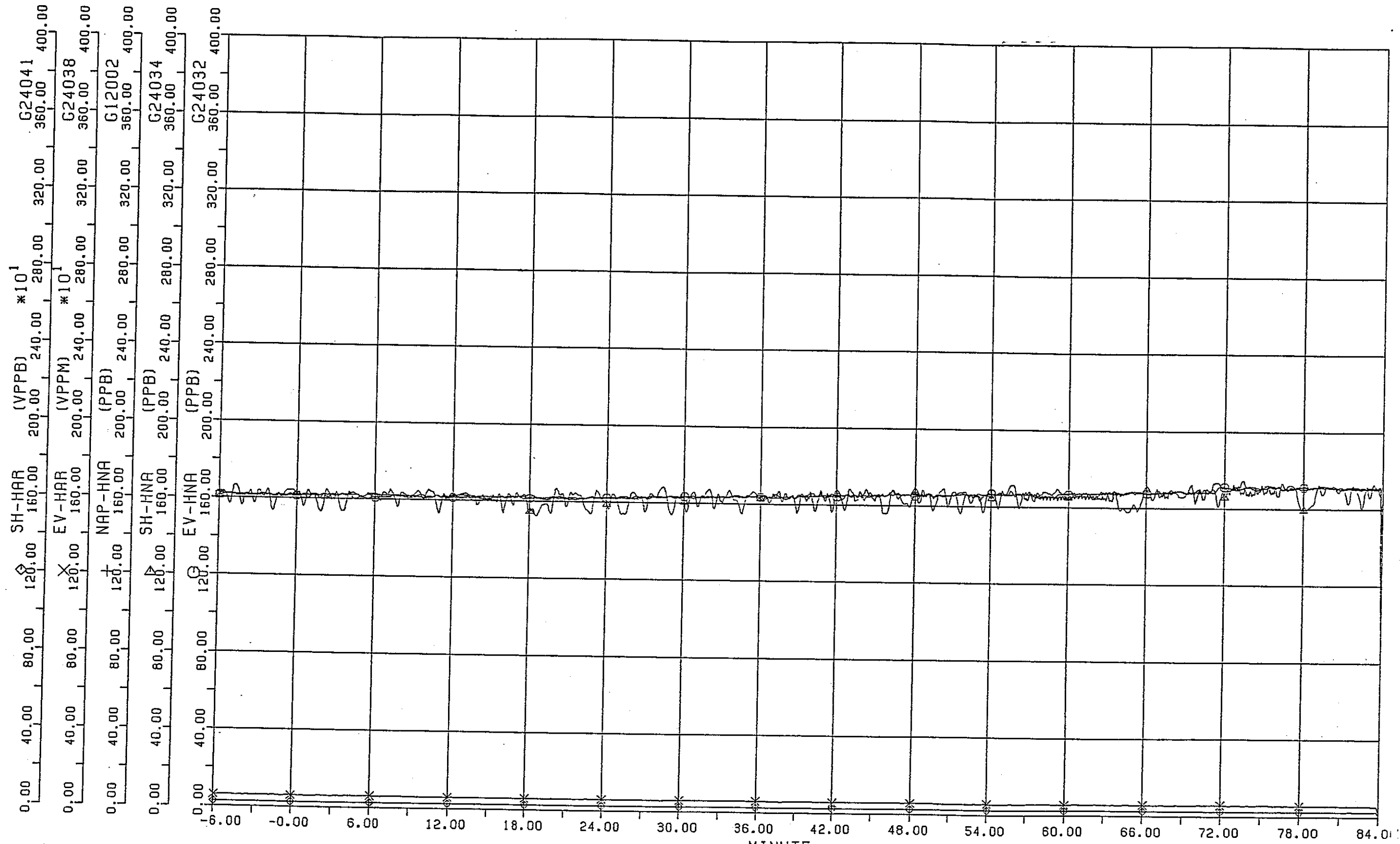
NATEMP= 463.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 04 GATS 21 NICHI 16 ZI 35 FUN 56 BYO RUN-929
 SAMPLING PERIOD 2.00
 CASE C929 HYDROGEN INJECTION TEST

平均化 = 20



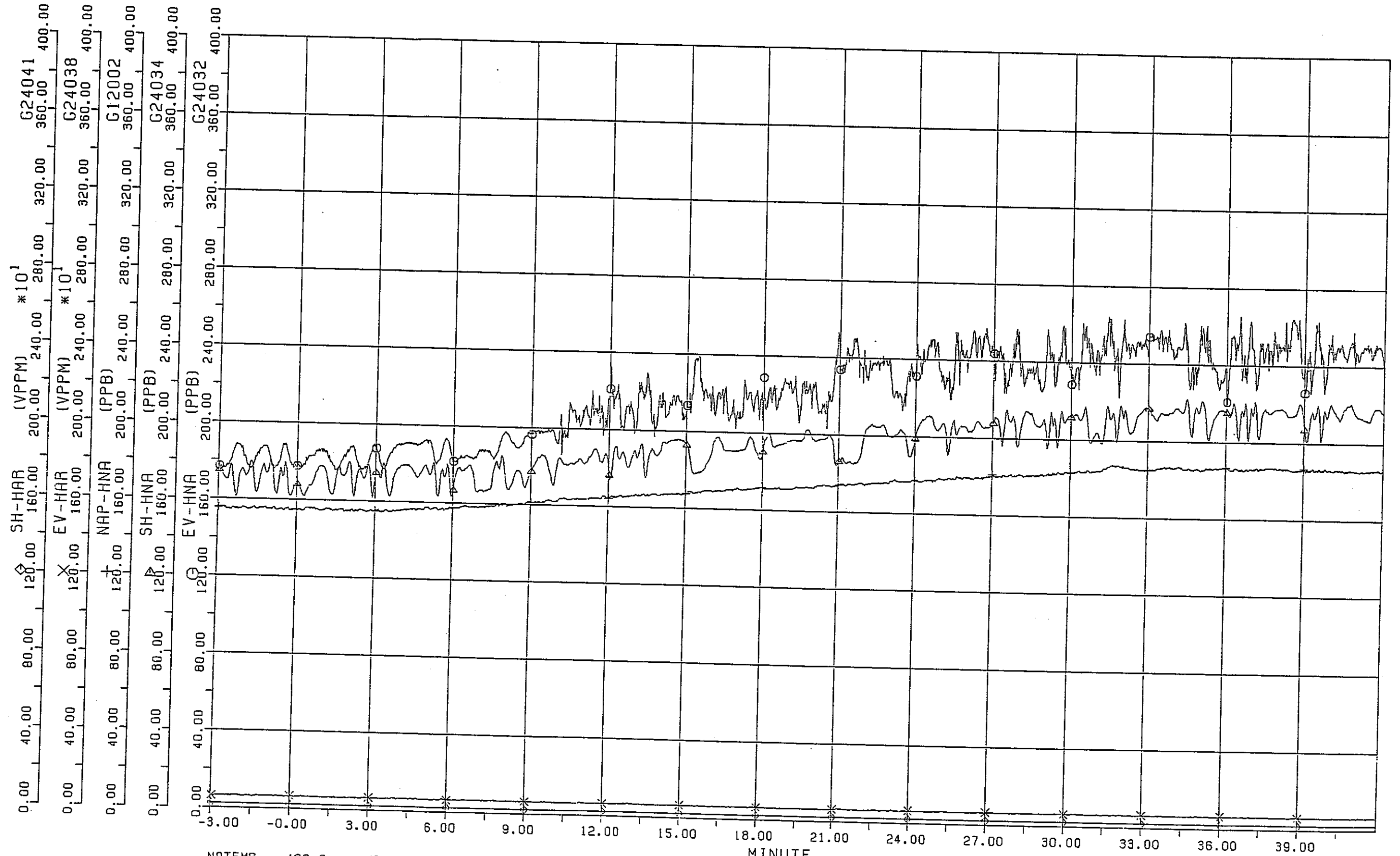
NATEMP= 463.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 04 GATS 21 NICHI 16 ZI 35 FUN 56 BYO RUN-929
 SAMPLING PERIOD 2.00

CASE C929 HYDROGEN INJECTION TEST



NATEMP= 463.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 04 GATS 21 NICHI 16 ZI 35 FUN 56 BYO RUN-929
 SAMPLING PERIOD 2.00

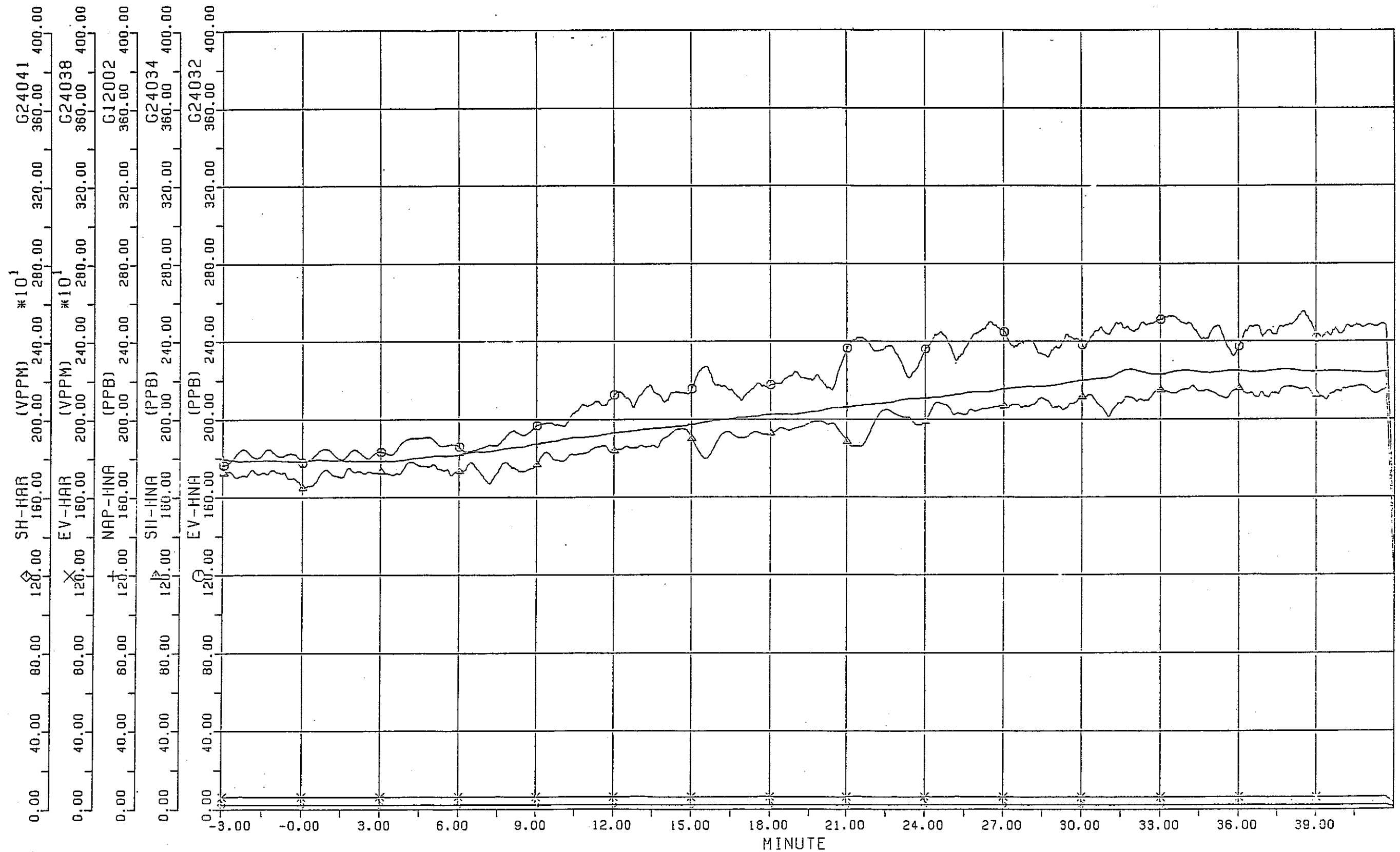
CASE C929 HYDROGEN INJECTION TEST



NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0
 83 NEN 04 CATS 22 NICHI 10 ZI 02 FUN 04 BYO RUN-930 SECOND INJECT RATE= 0.001000 G/SEC
 SAMPLING PERIOD 2.00

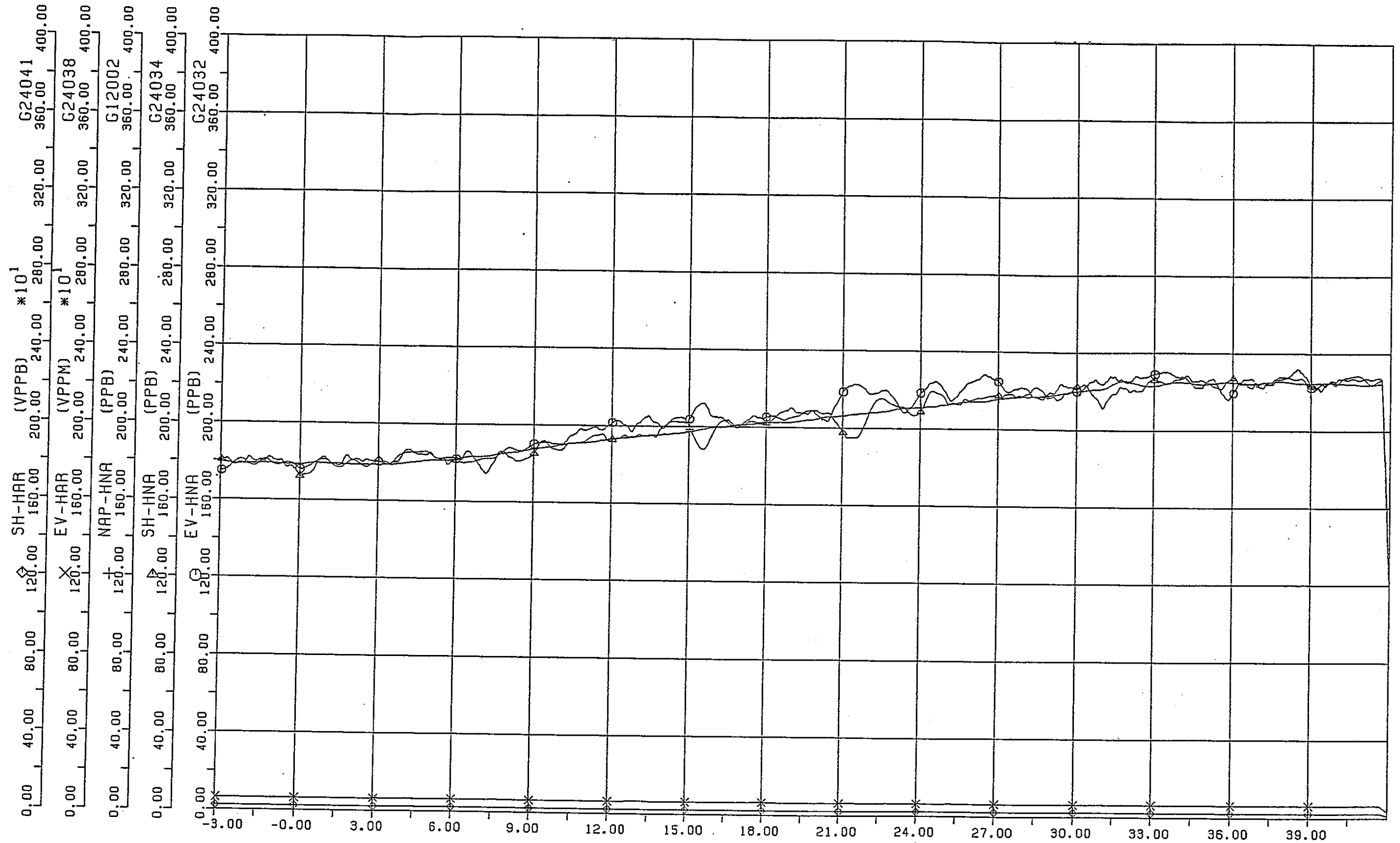
CASE C930 HYDROGEN INJECTION TEST

平均化 = 20

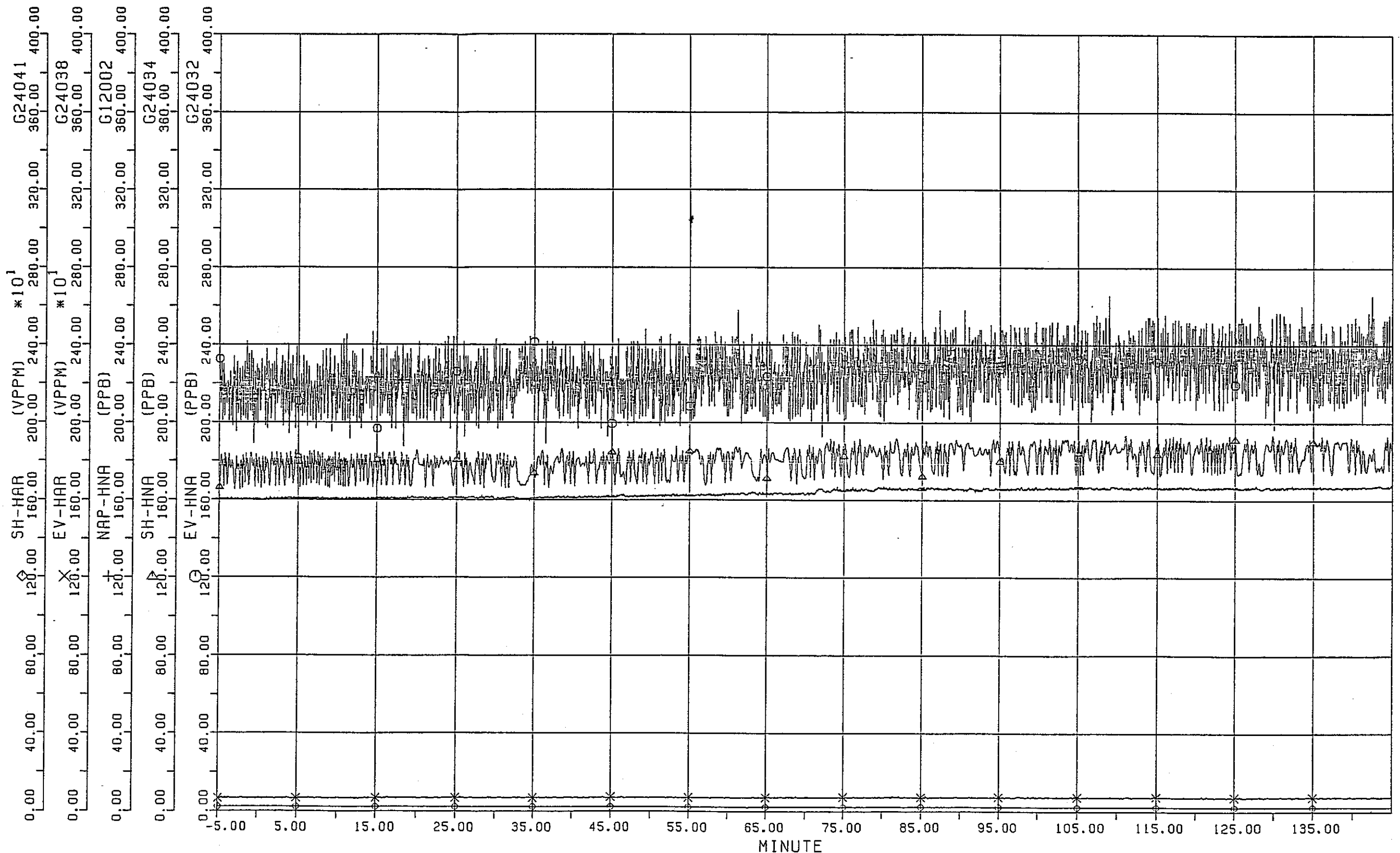


NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.001000 G/SEC
 83 NEN 04 GATS 22 NICHI 10 ZI 02 FUN 04 BYO RUN-930
 SAMPLING PERIOD 2.00

CASE C930 HYDROGEN INJECTION TEST



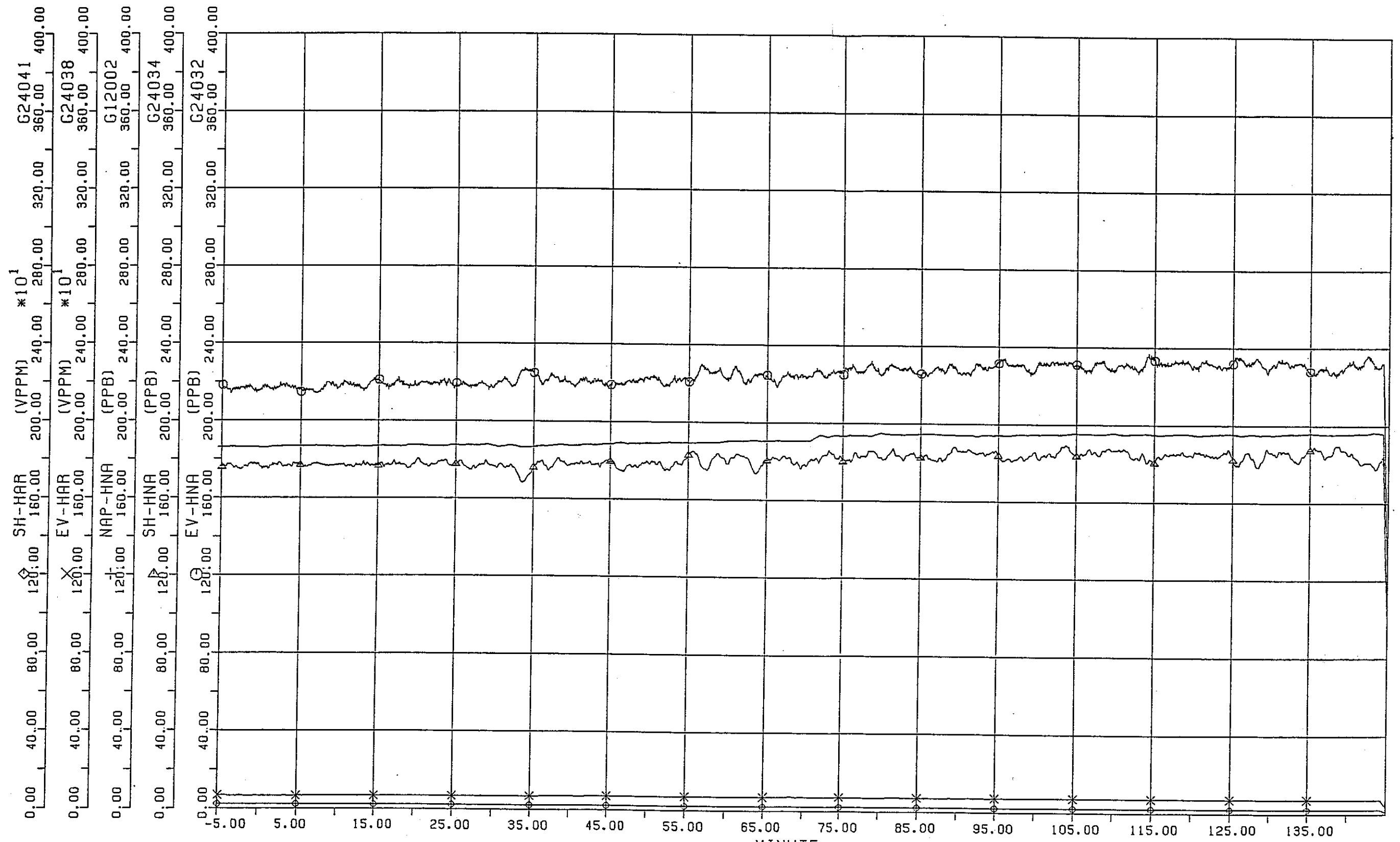
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.001000 G/SEC
 83 NEN 04 GATS 22 NICHI 10 ZI 02 FUN 04 BYO RUN-930
 SAMPLING PERIOD 2.00
 CASE C930 HYDROGEN INJECTION TE:



NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
83 NEN 04 GATS 22 NICH 15 ZI 23 FUN 56 BYO RUN-930
SAMPLING PERIOD 4.00

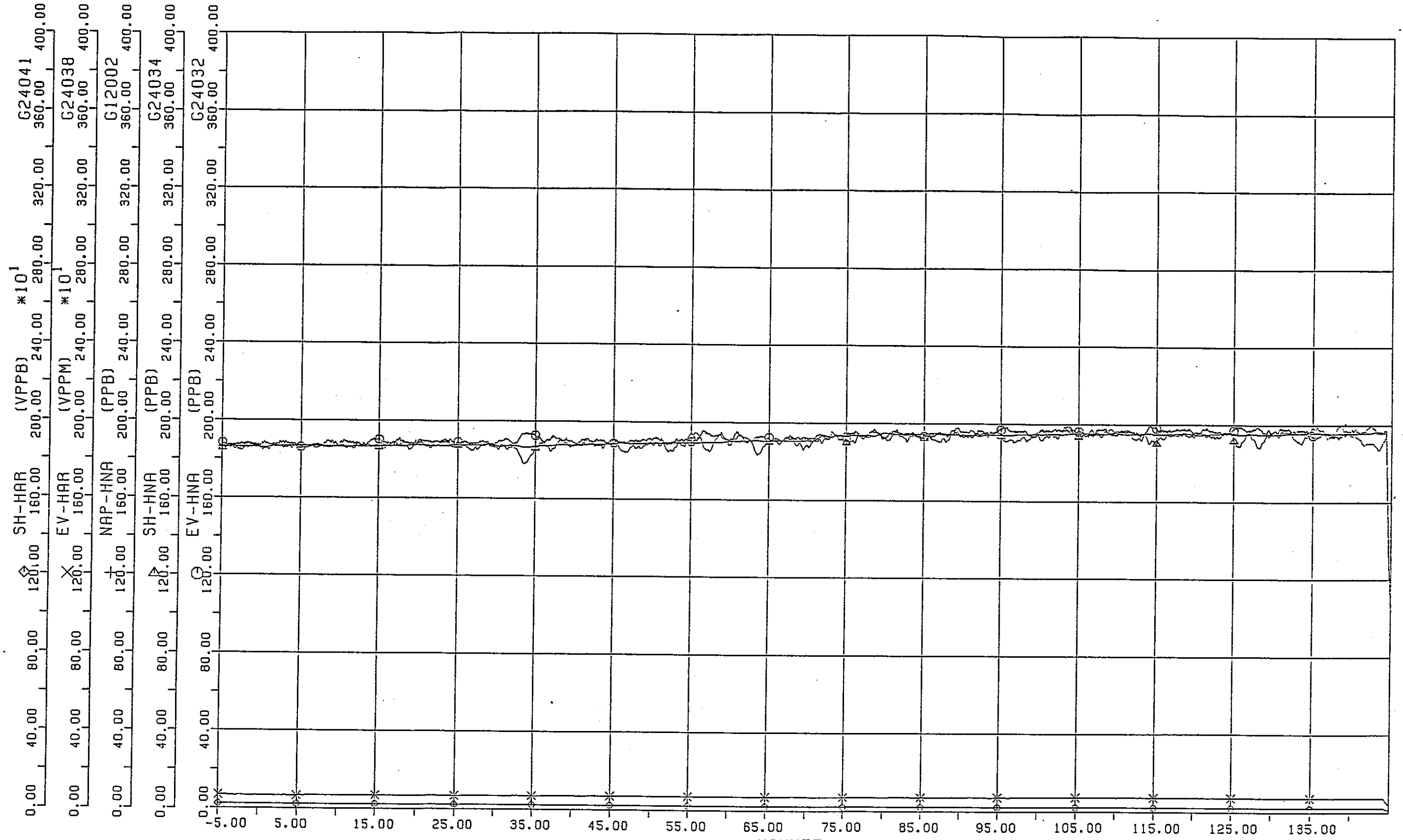
CASE C931 HYDROGEN INJECTION TEST

平均化 = 20

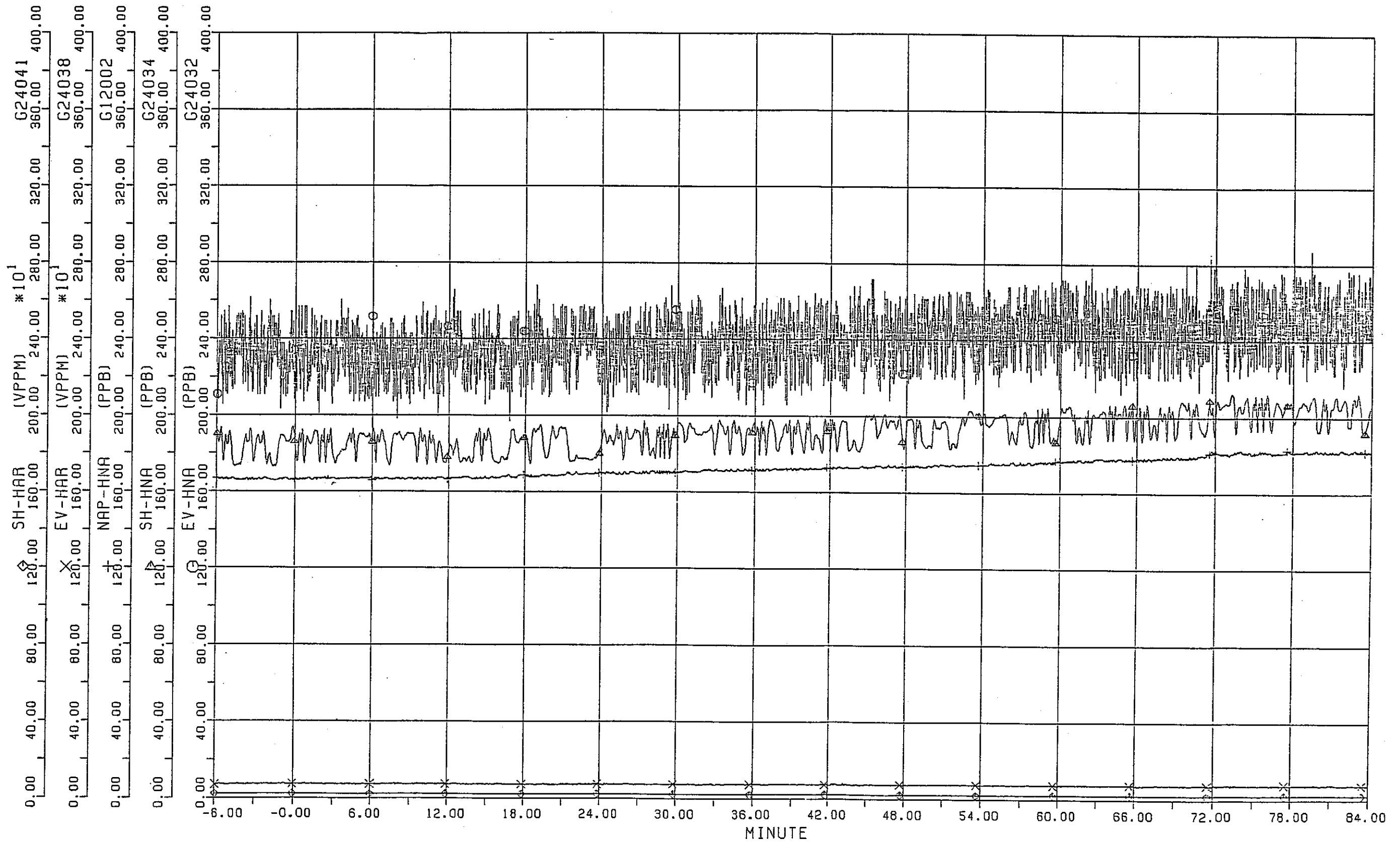


NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 04 GATS 22 NICHI 15 ZI 23 FUN 56 BYO RUN-930
 SAMPLING PERIOD 4.00

CASE C931 HYDROGEN INJECTION TES



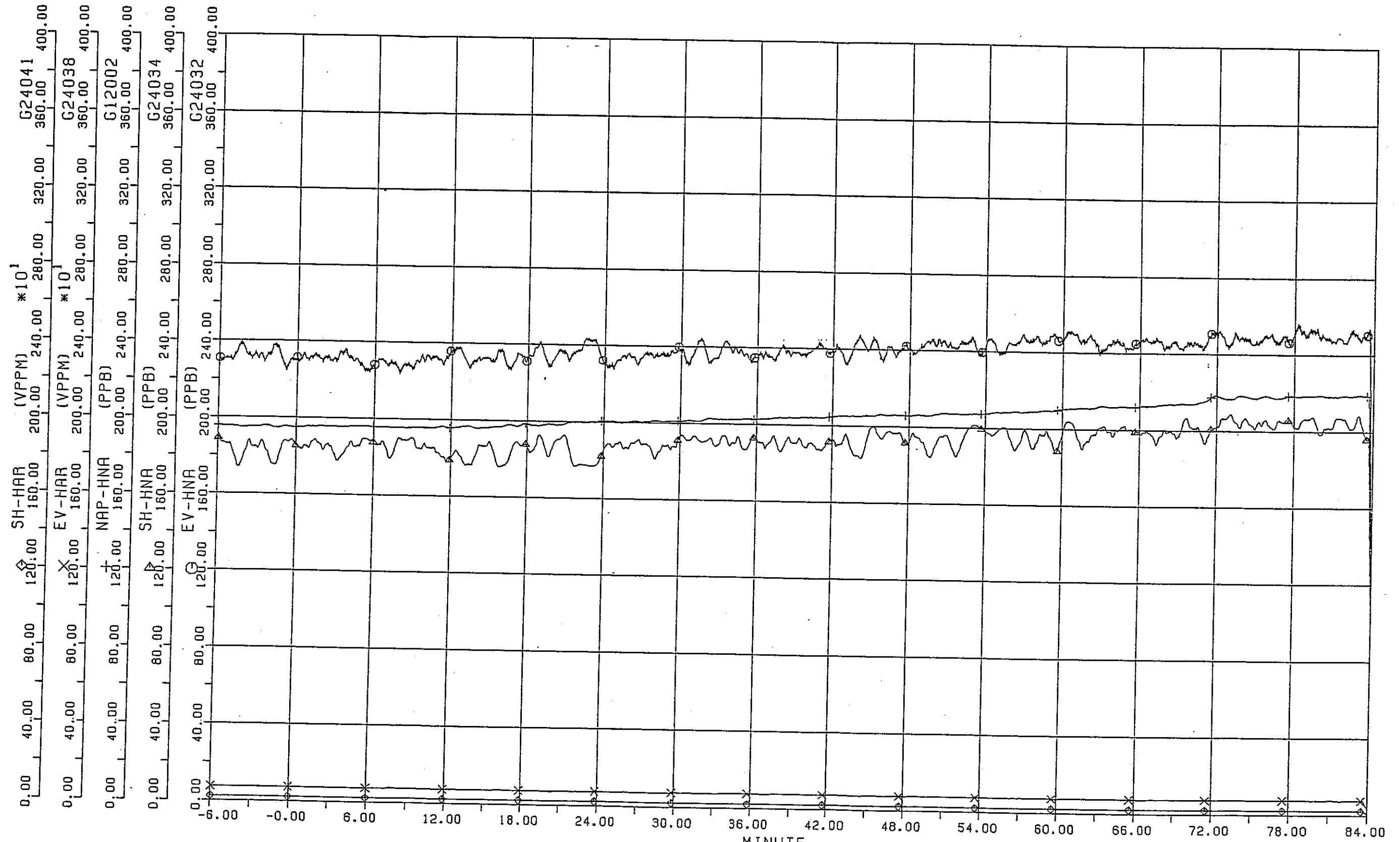
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 04 GATS 22 NICHI 15 ZI 23 FUN 56 BYO RUN-930
 SAMPLING PERIOD 4.00
 CASE C931 HYDROGEN INJECTION TE



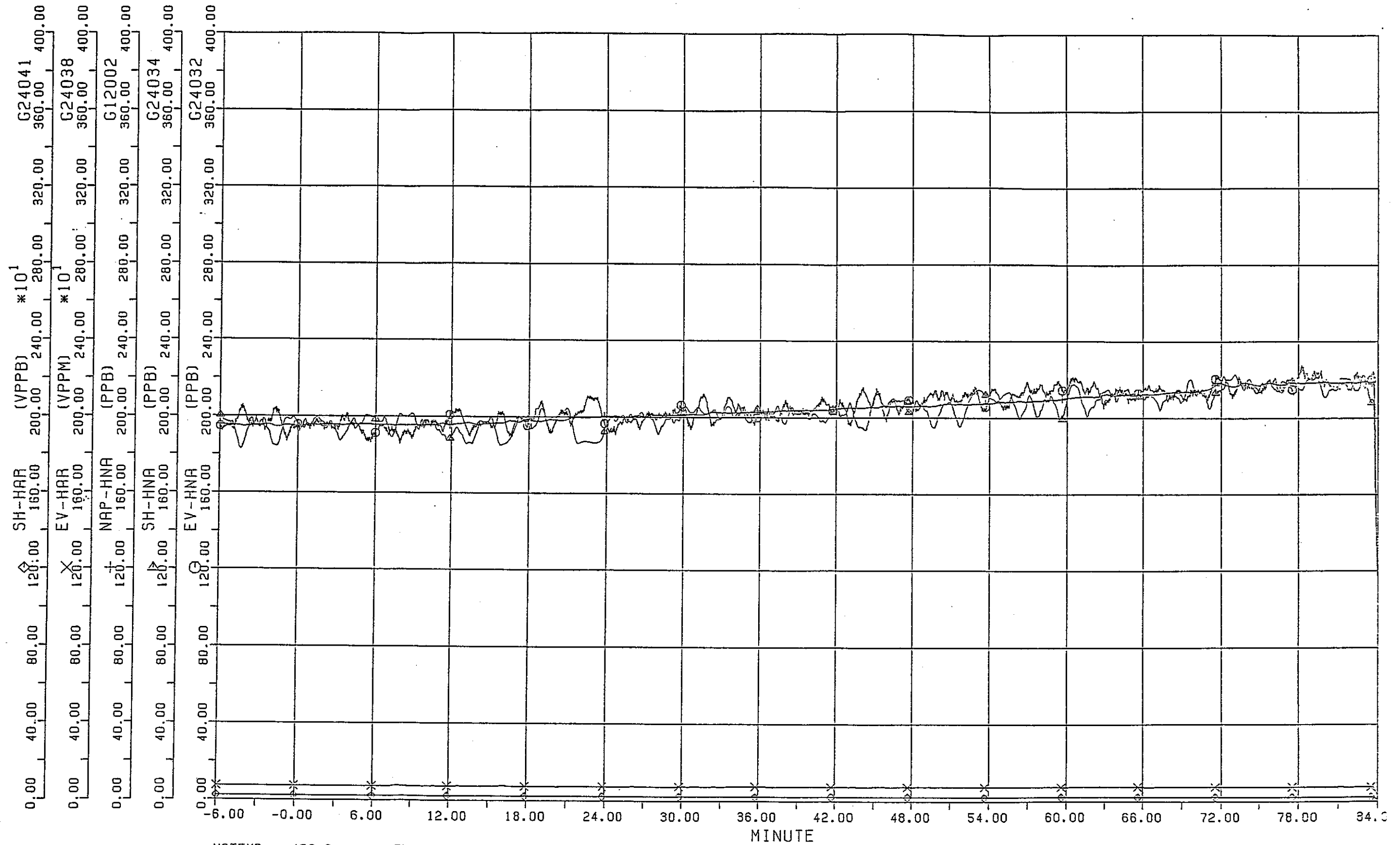
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000300 G/SEC
 83 NEN 04 GATS 22 NICHI 15 ZI 23 FUN 56 BYO RUN-930
 SAMPLING PERIOD 2.00

CASE 0932 HYDROGEN INJECTION TEST

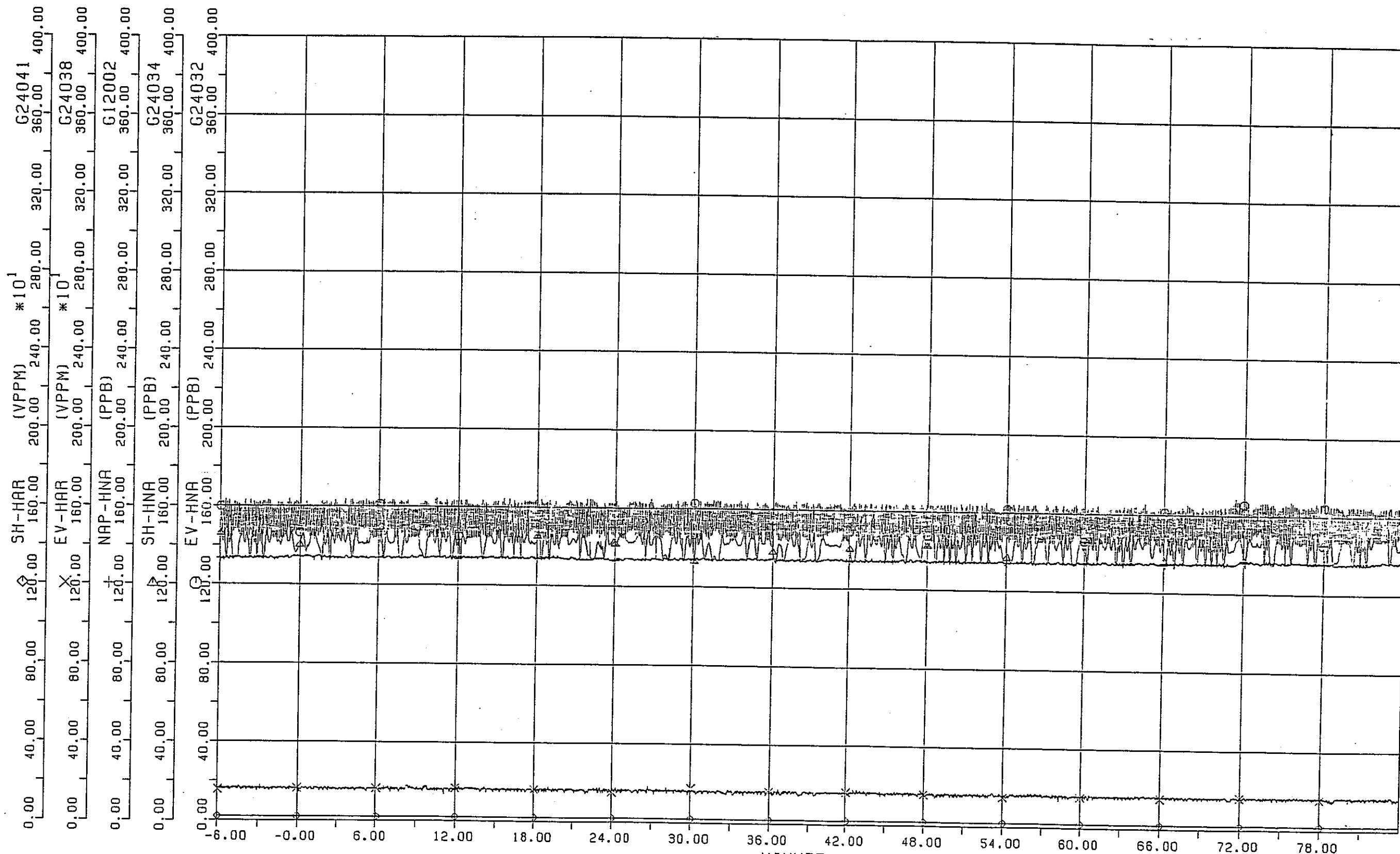
平均化 = 20



NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0
 83 NEN 04 GATS 22 NICHI 15 ZI 23 FUN 56 BYO RUN-930
 SAMPLING PERIOD 2.00 SECOND INJECT RATE= 0.003000 G/SEC
 CASE C932 HYDROGEN INJECTION TES



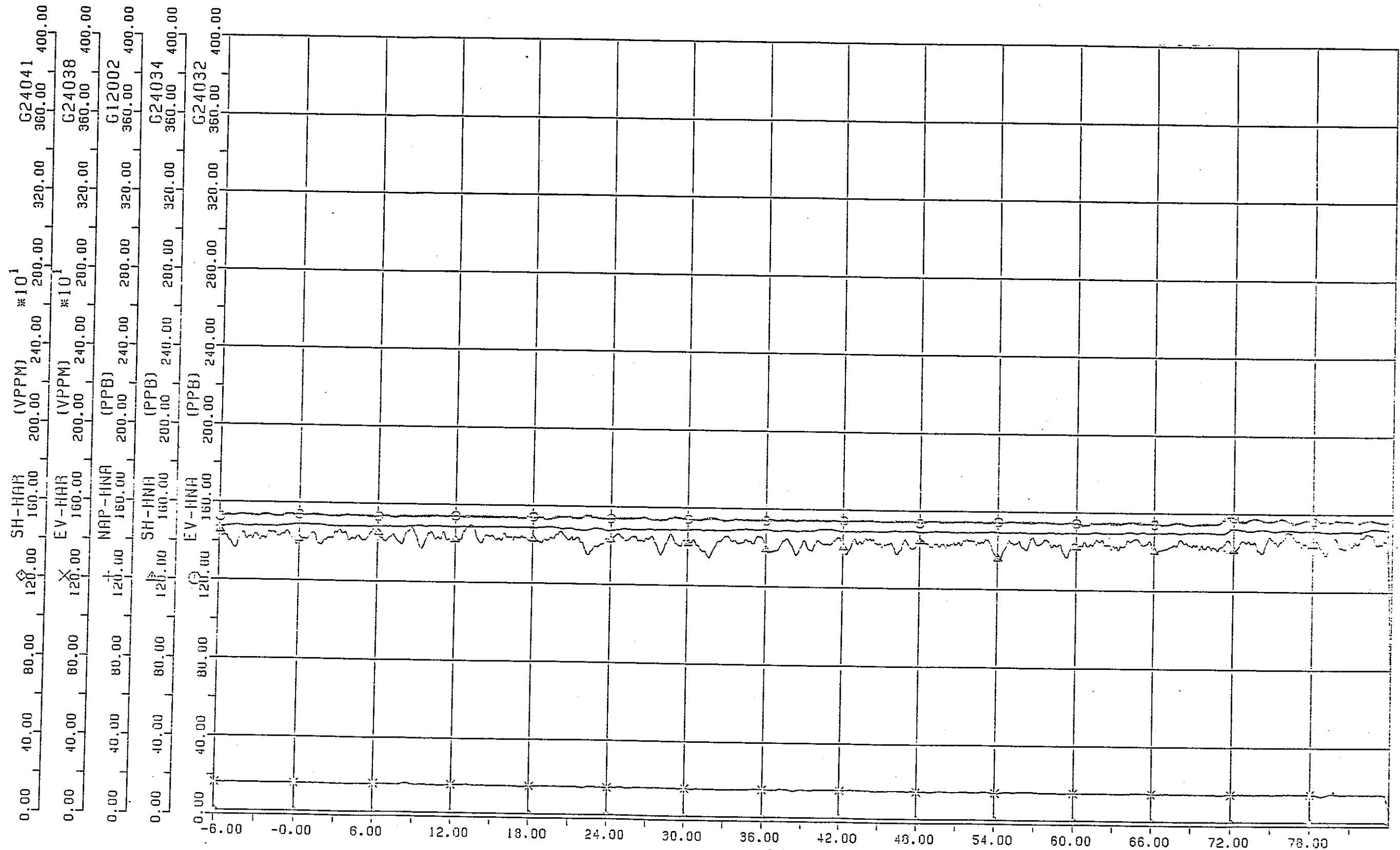
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 04 GATS 22 NICHI 15 ZI 23 FUN 56 BYO RUN-930
SAMPLING PERIOD 2.00
CASE C932 HYDROGEN INJECTION T



NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000050 G/SEC
83 NEN 04 GATS 23 NICHI 09 ZI 32 FUN 54 BY0 RUN-932
SAMPLING PERIOD 2.00

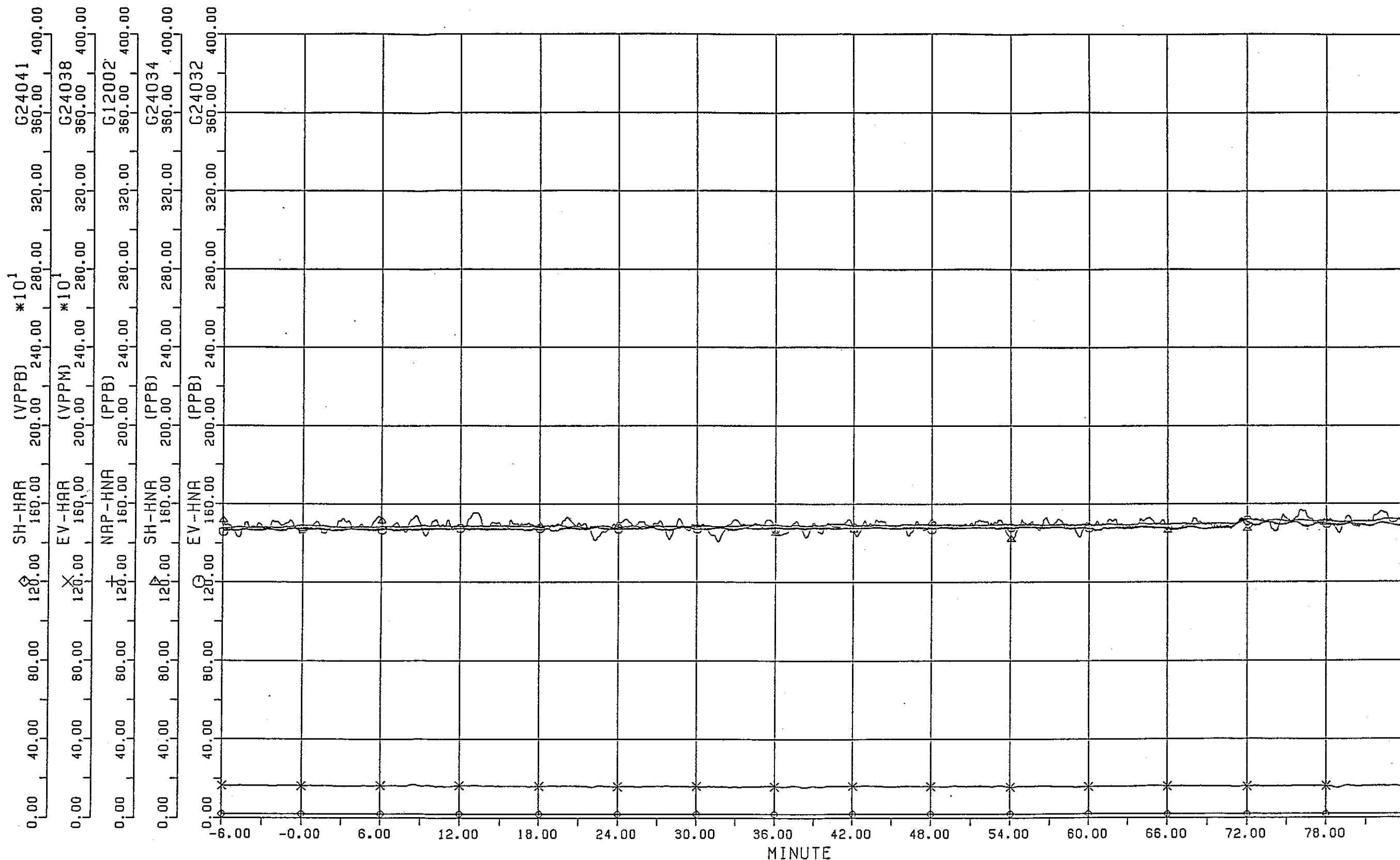
CASE C933 HYDROGEN INJECTION TEST

平均化 = 20

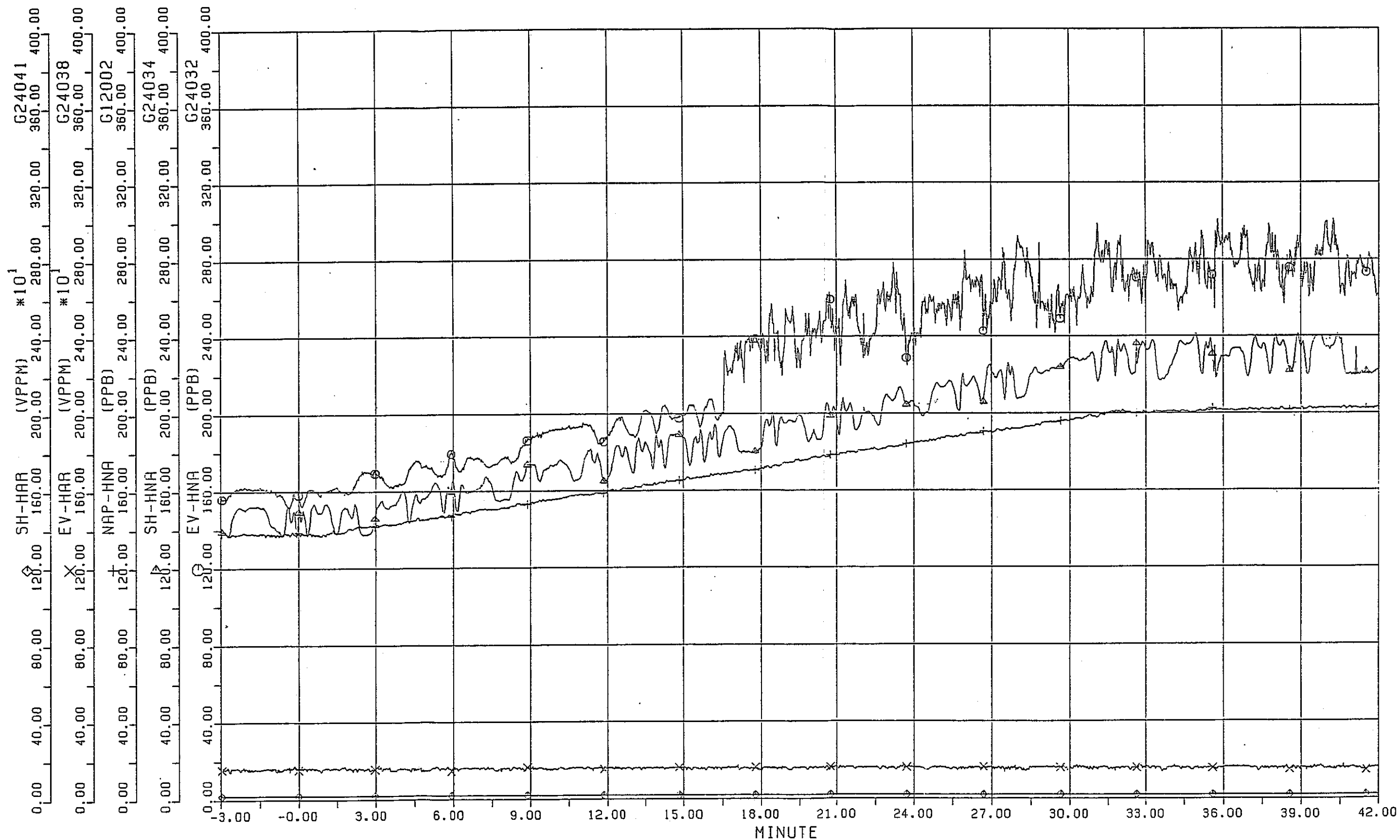


NATEMP= 468.0 NA FLOW = 200.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.003050 G/SEC
 83 NEM 04 GATS 23 NICHI 09 ZI 32 FUN 54 BYO RUN-932
 SAMPLING PERIOD 2.00

CASE C933 HYDROGEN INJECTION TEST



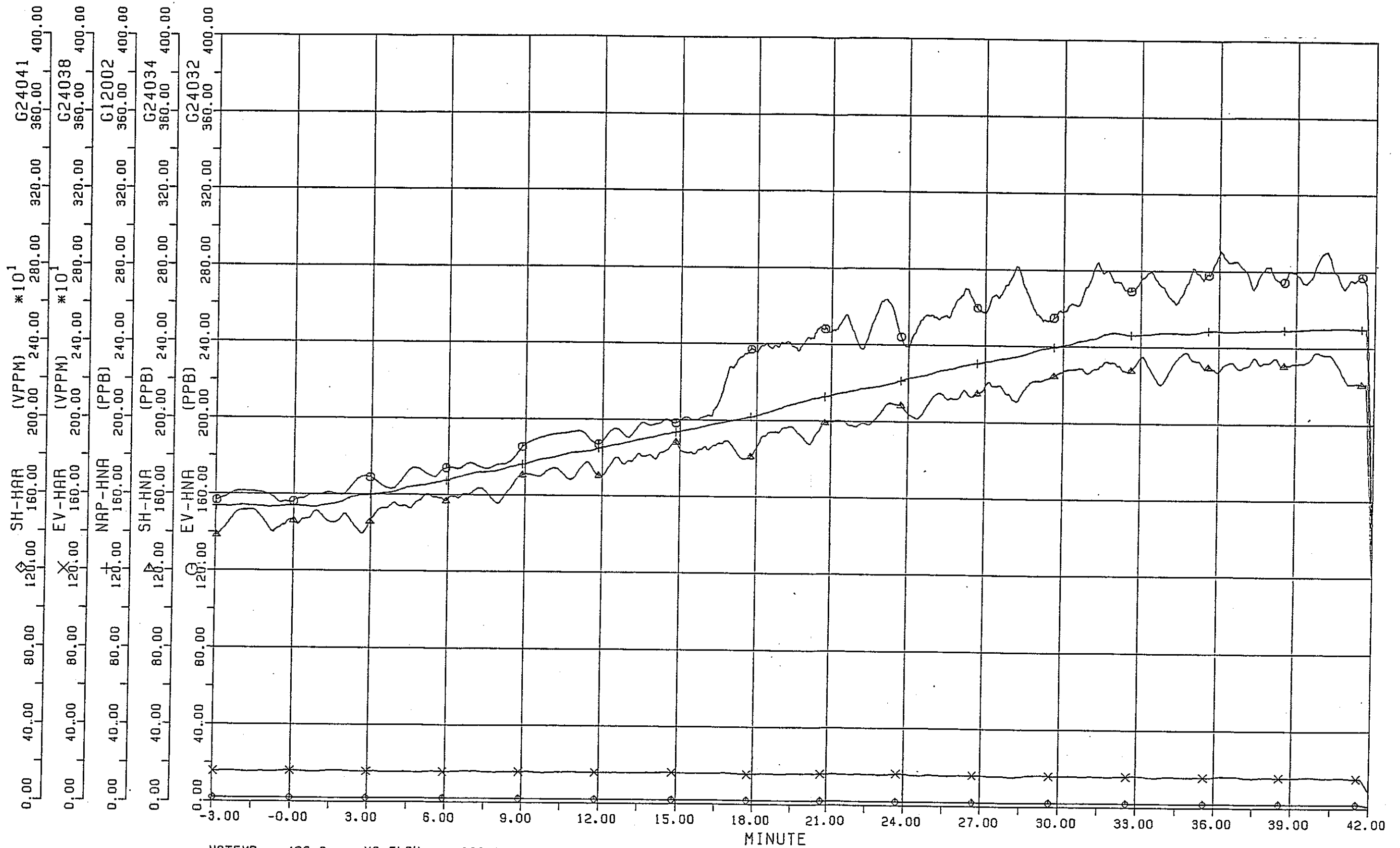
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000050 G/SEC
 83 NEN 04 GATS 23 NICHI 09 ZI 32 FUN 54 BYO RUN-932
 SAMPLING PERIOD 2.00
 CASE C933 HYDROGEN INJECTION TE



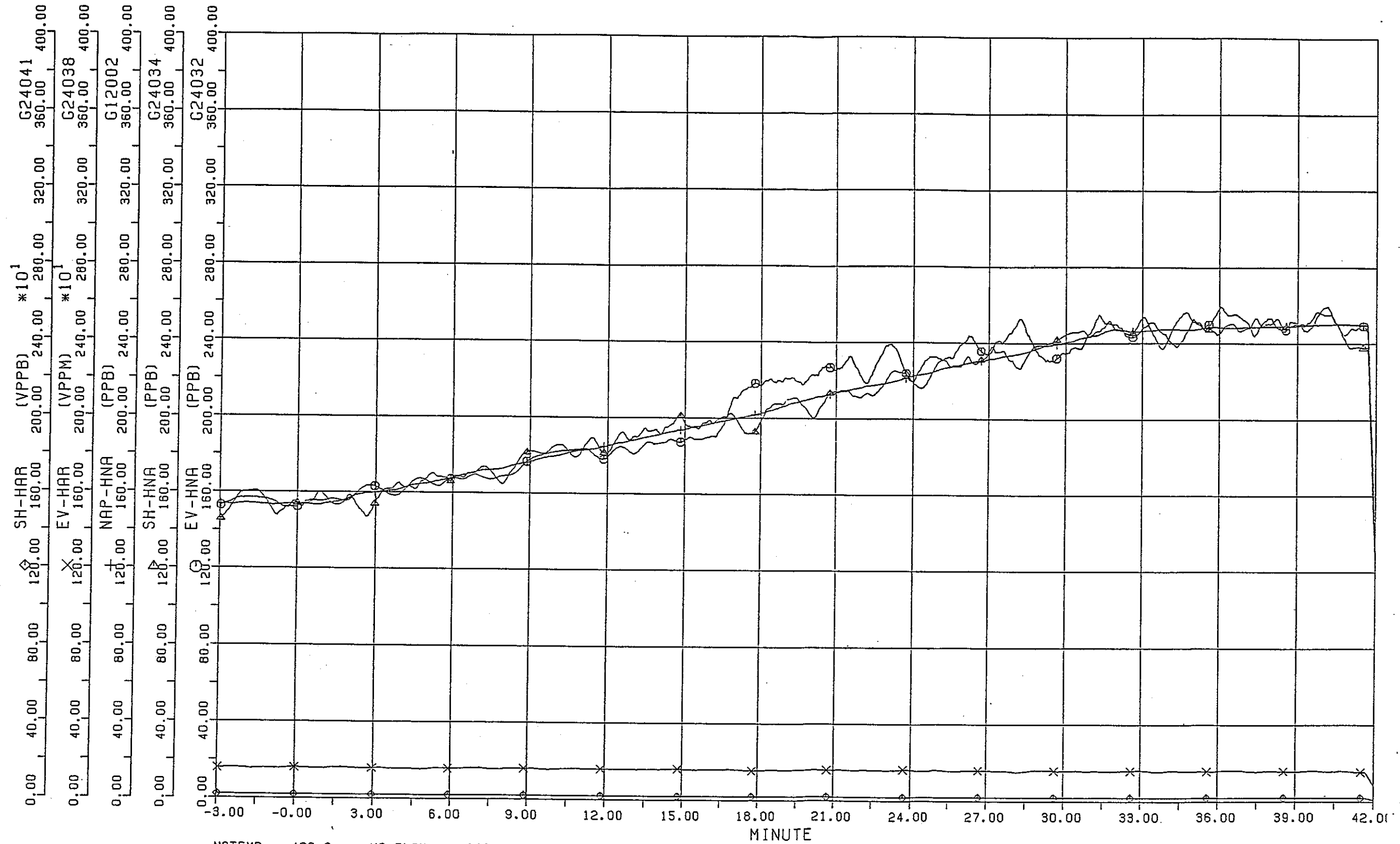
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 04 GATS 23 NICHI 09 ZI 32 FUN 54 BYO RUN-932
 SAMPLING PERIOD 2.00

CASE C934 H-DROGEN INJECTION TEST

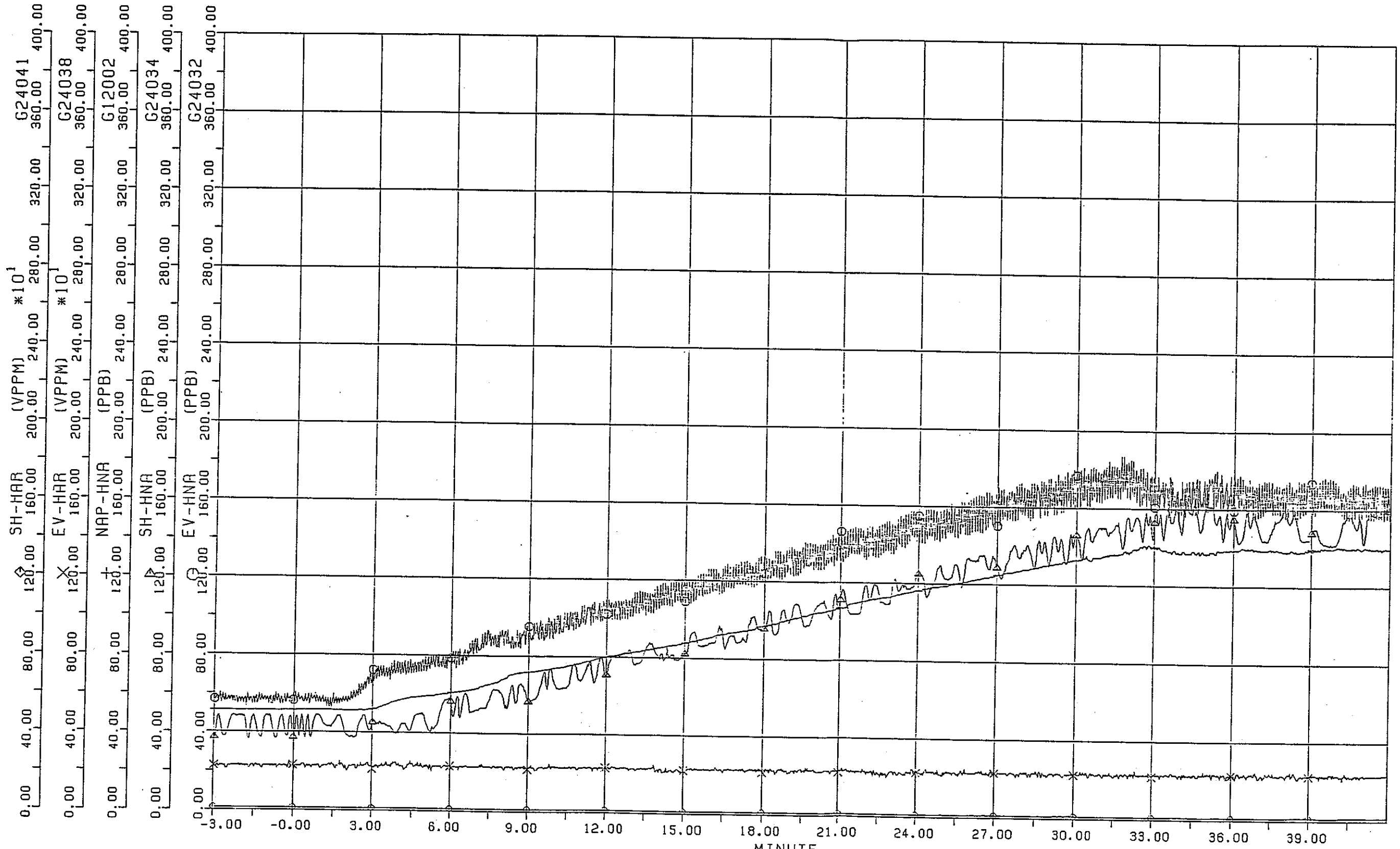
平均化 = 20



NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 04 GATS 23 NICHI 09 ZI 32 FUN 54 BY0 RUN-932
 SAMPLING PERIOD 2.00
 CASE C934 HYDROGEN INJECTION TES



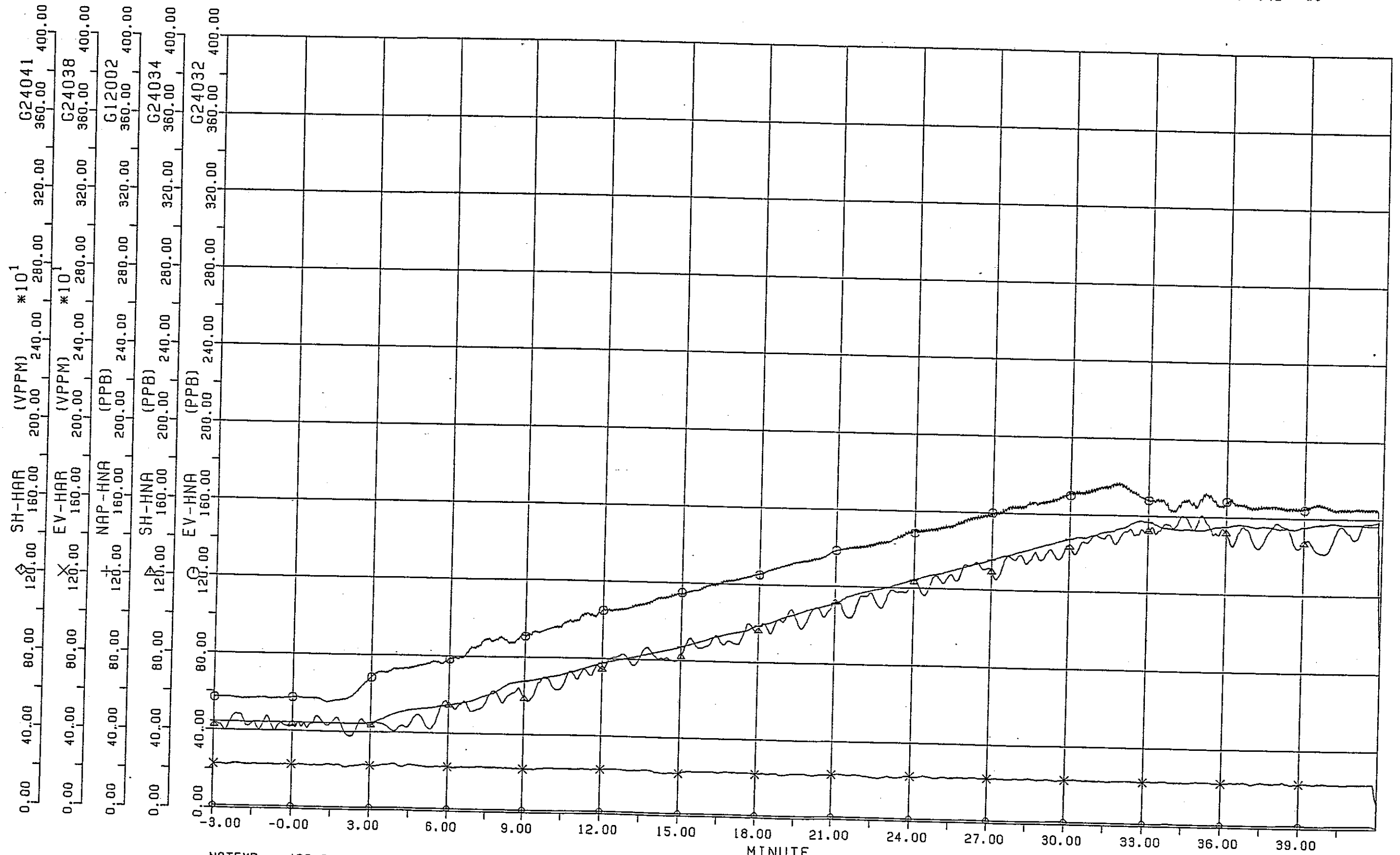
NATEMP= 468.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 04 GATS 23 NICHI 09 ZI 32 FUN 54 BYO RUN-932
 SAMPLING PERIOD 2.00
 CASE C934 HYDROGEN INJECTION TEST



NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= :800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 04 CATS 25 NICHI 15 ZI 21 FUN 04 BIC RUN-933
SAMPLING PERIOD 2.00

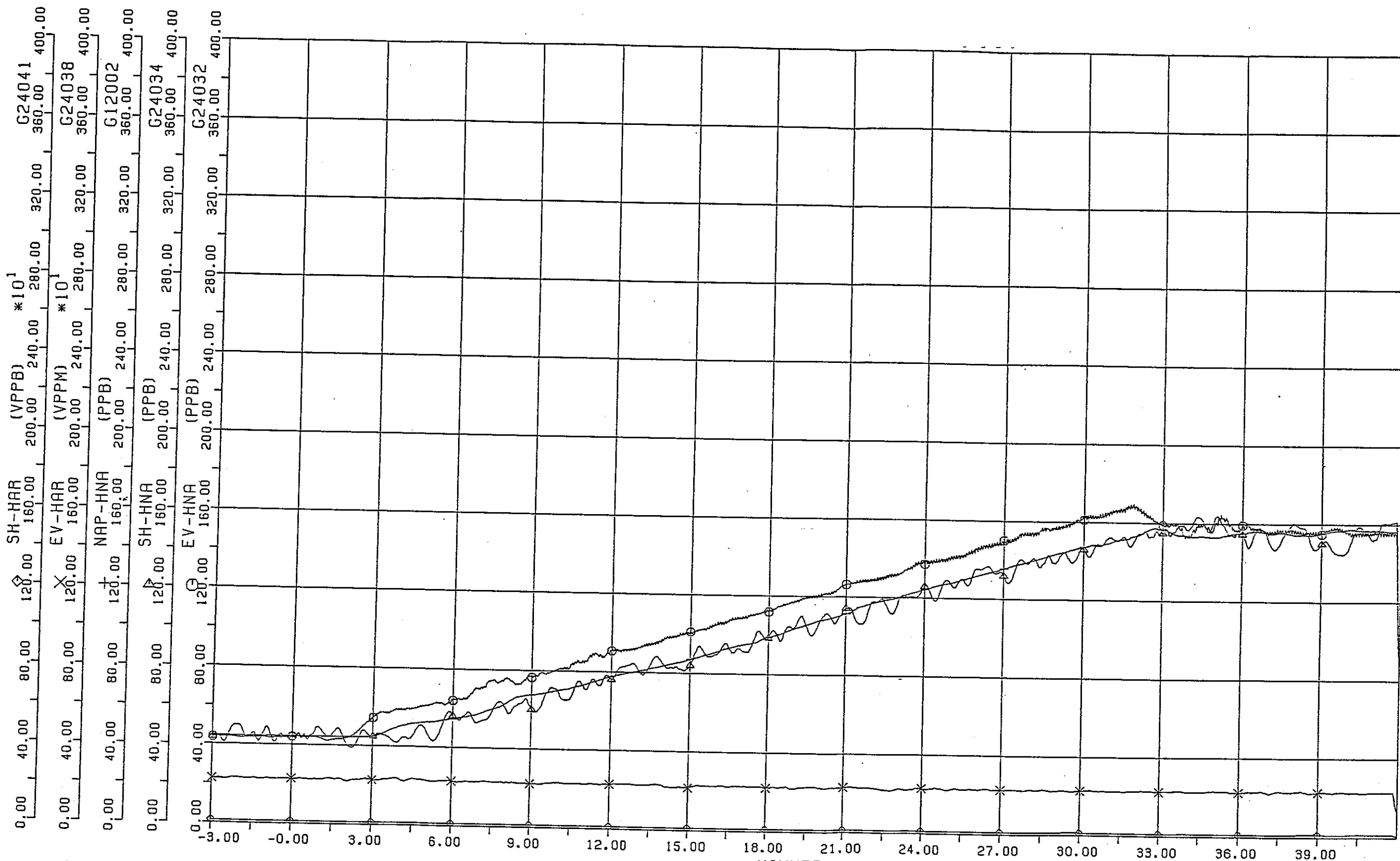
CASE C955 HYDROGEN INJECTION TEST

平均化 = 10



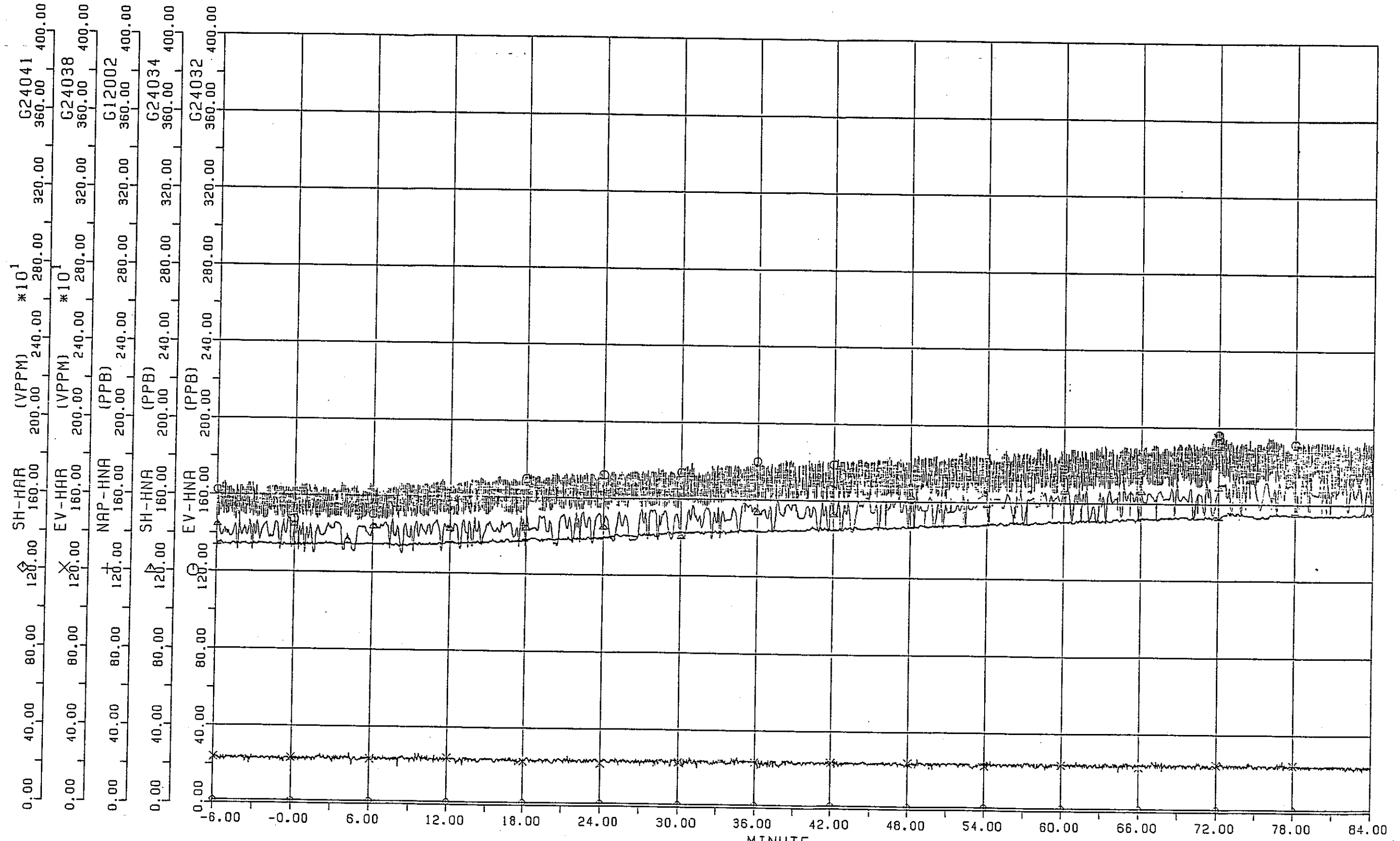
NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 04 GATS 25 NICHI 15 ZI 21 FUN 04 BYO RUN-933
 SAMPLING PERIOD 2.00

CASE C935 HYDROGEN INJECTION TES



NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0
83 NEN 04 GATS 25 NICH 15 ZI 21 FUN 04 BYO RUN-933 SECOND INJECT RATE= 0.003000 G/SEC
SAMPLING PERIOD 2.00

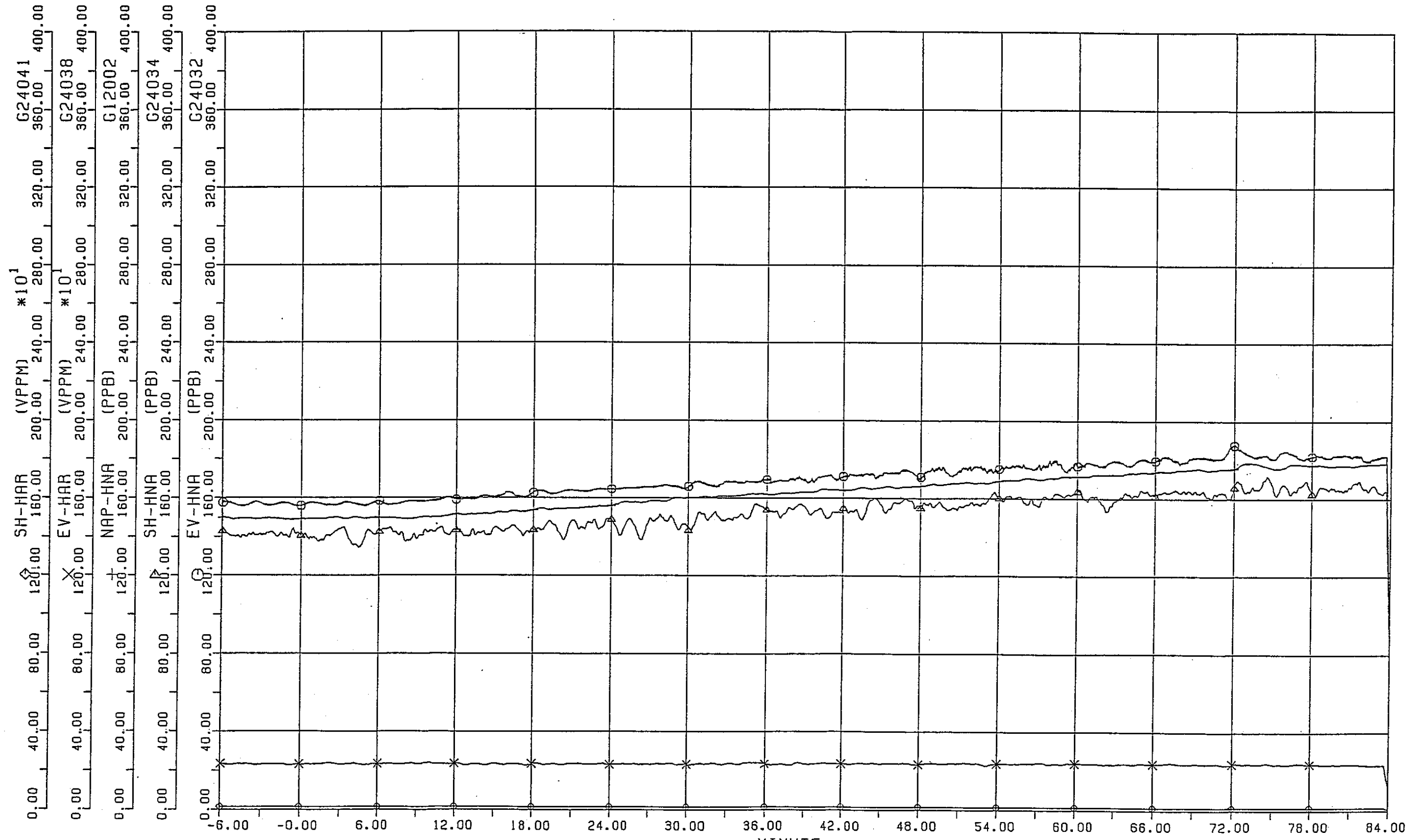
CASE C935 HYDROGEN INJECTION TE



NATEMP= 472.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000300 G/SEC
 83 NEN 04 CATS 25 NICHI 15 ZI 21 FUN 04 BYO RUN-333
 SAMPLING PERIOD 2.00

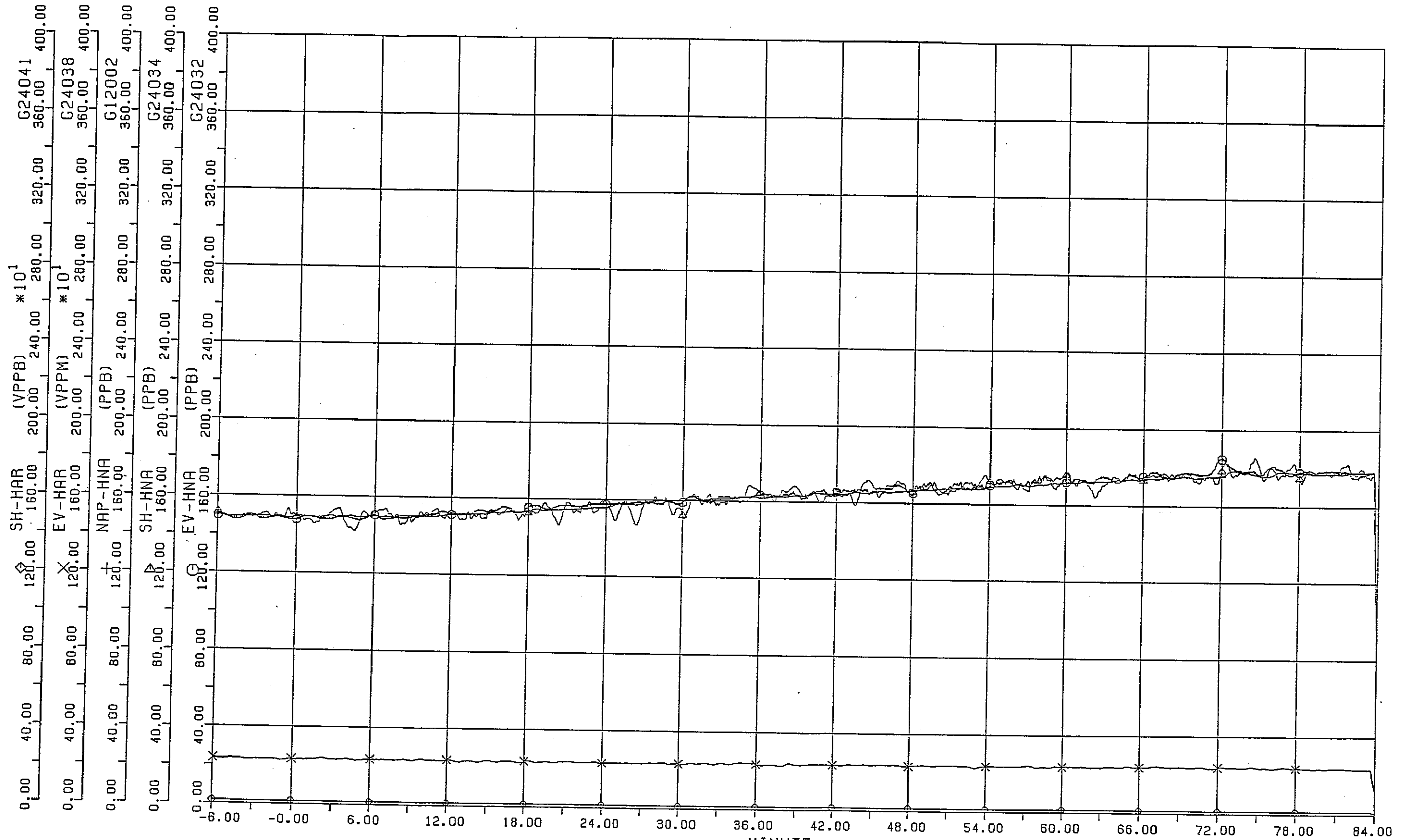
CASE C936 HYDROGEN INJECTION TEST

平均化 = 20



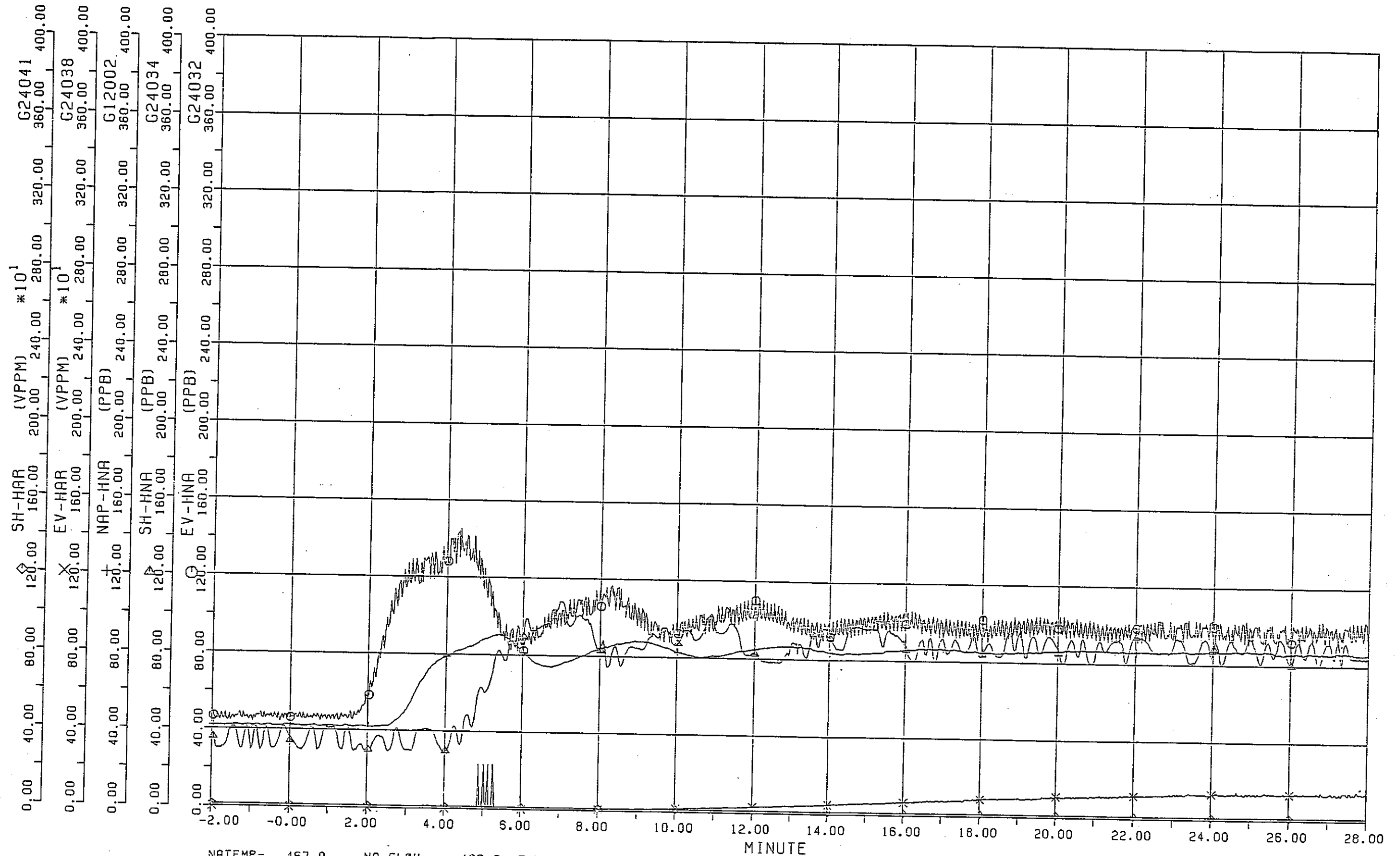
NATEMP= 472.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000300 G/SEC
 83 NEN 04 GATS 25 NICHI 15 ZI 21 FUN 04 BYO RUN-933
 SAMPLING PERIOD 2.00

CASE C936 HYDROGEN INJECTION TES



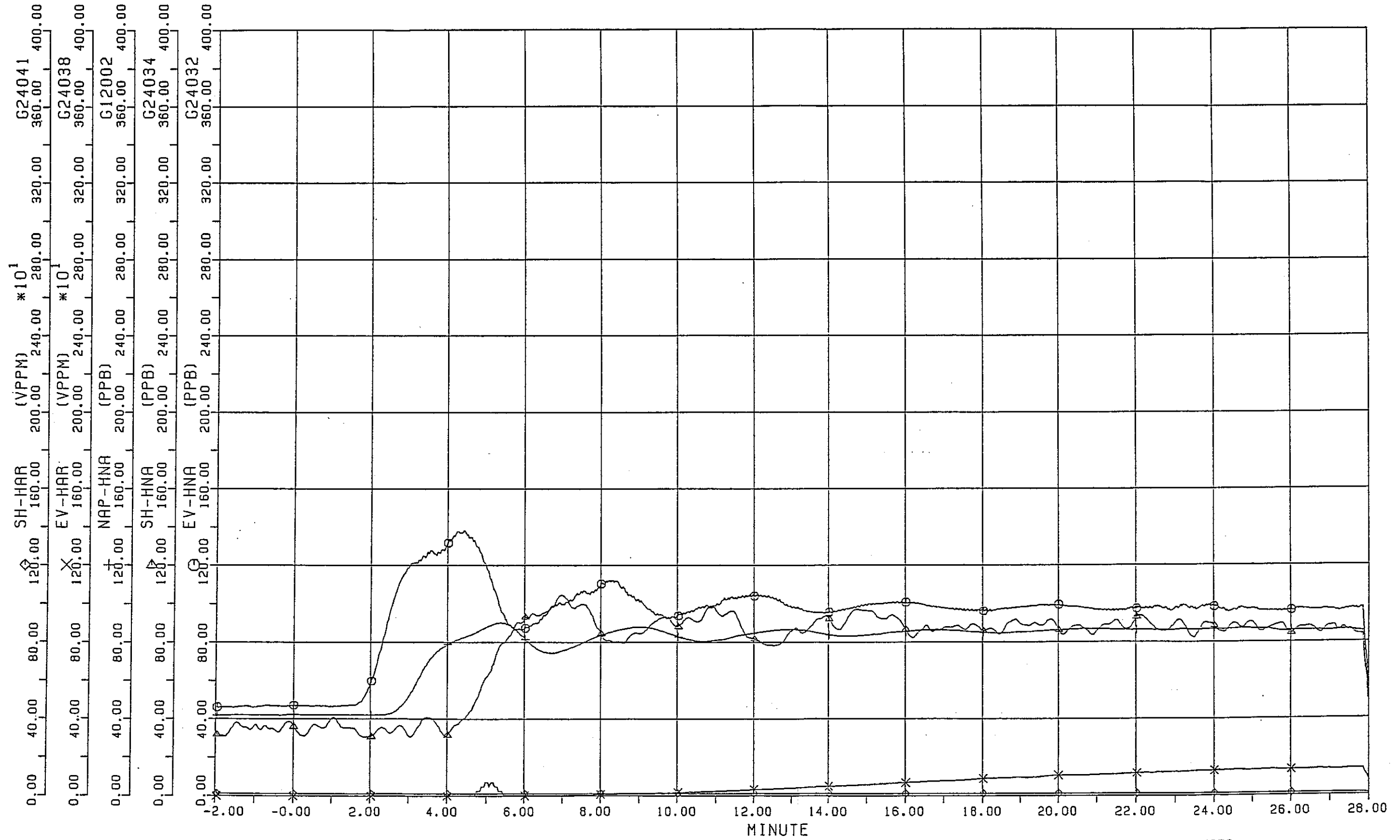
NATEMP= 472.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000300 G/SEC
 83 NEN 04 GATS 25 NICHI 15 ZI 21 FUN 04 BYO RUN-933
 SAMPLING PERIOD 2.00

CASE C936 HYDROGEN INJECTION TES

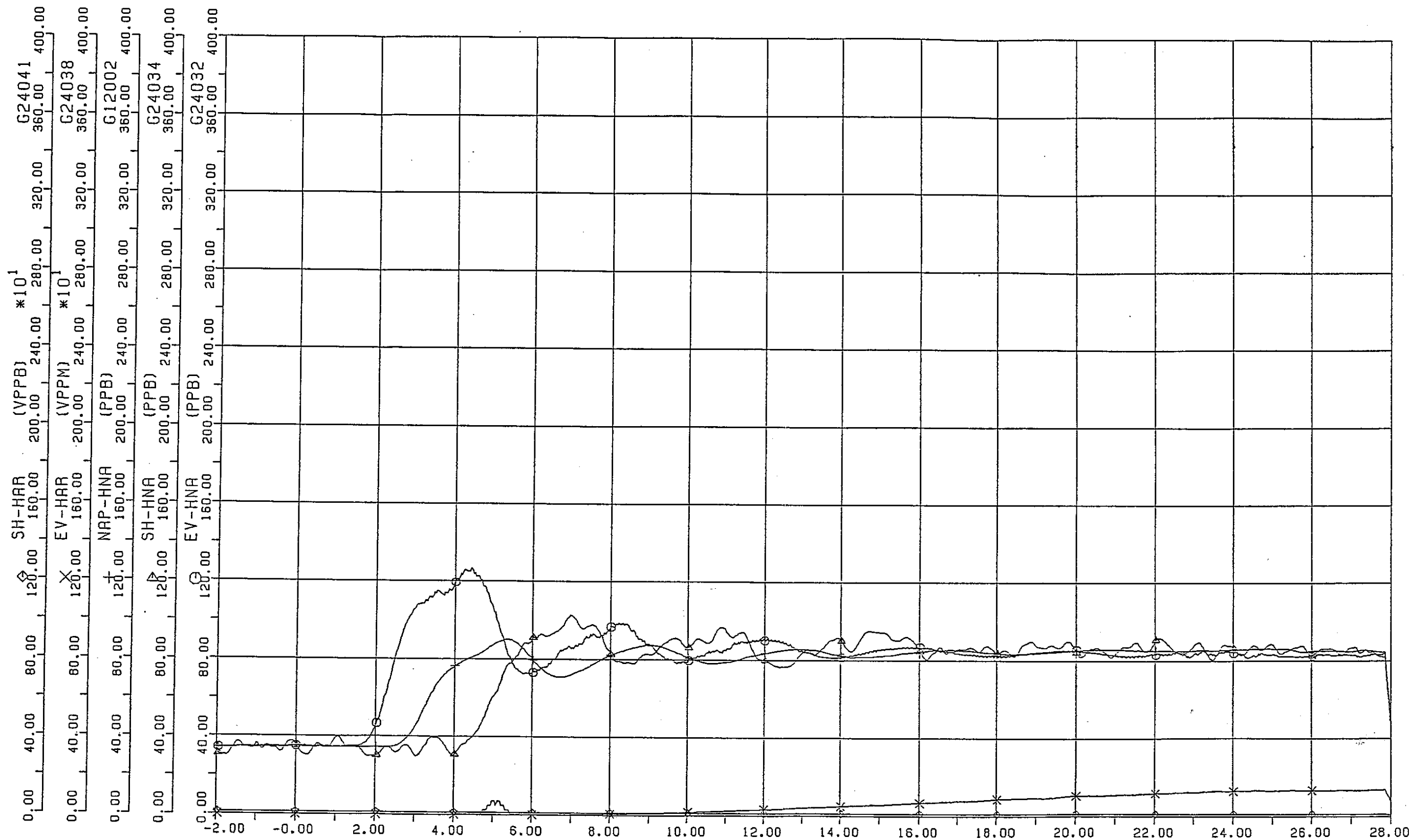


NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 180.0
33 MEN 04 GATS 29 NICH 09 ZI 49 FUH 56 BYD RUN-937 SECOND INJECT RATE= 0.020000 G/SEC
SAMPLING PERIOD 2.00

CASE C937 HYDROGEN INJECTION TEST

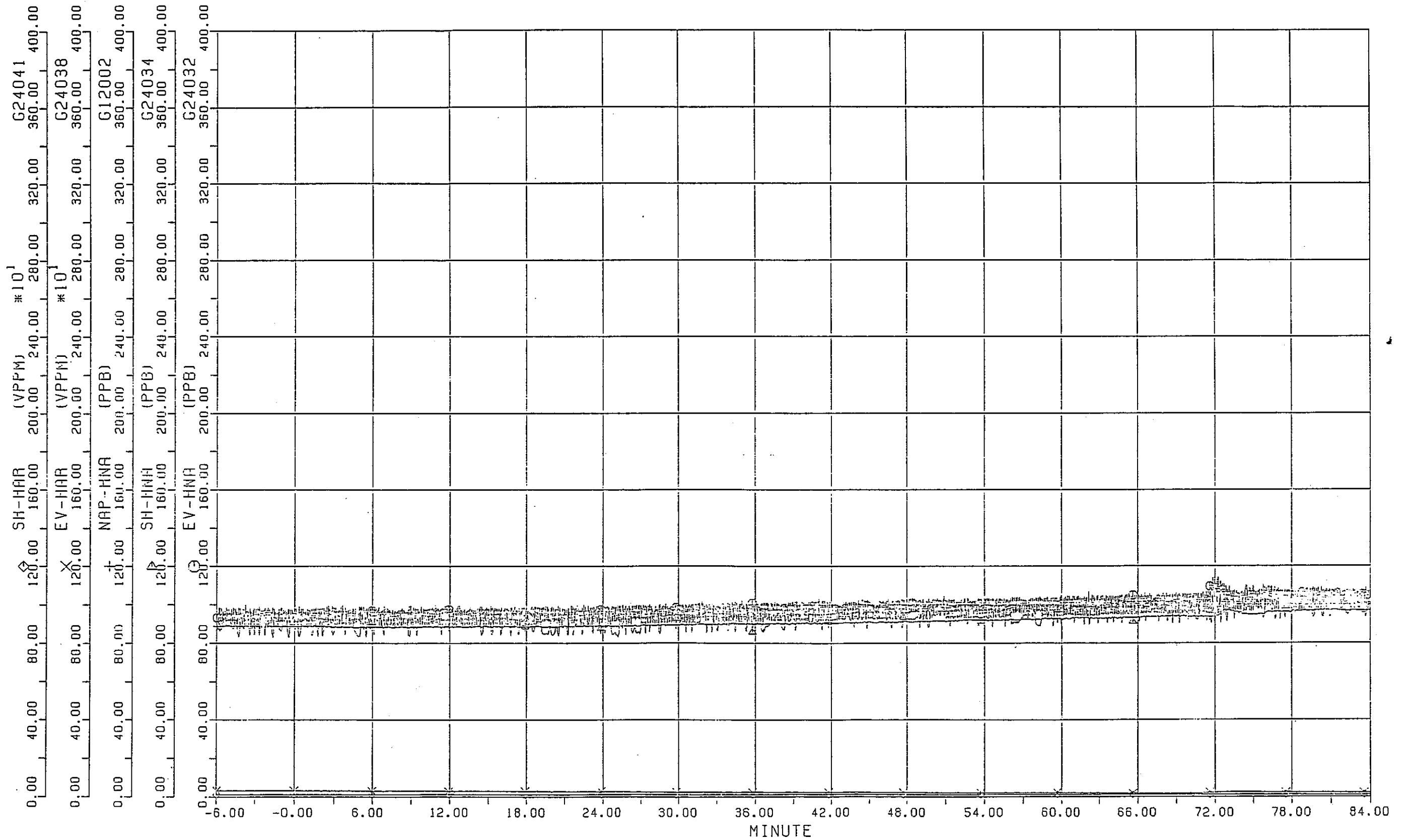


NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 0.020000 G/SEC
 83 NEN 04 GATS 29 NICHI 09 ZI 49 FUN 56 BY0 RUN-937
 SAMPLING PERIOD 2.00
 CASE C937 HYDROGEN INJECTION TEST



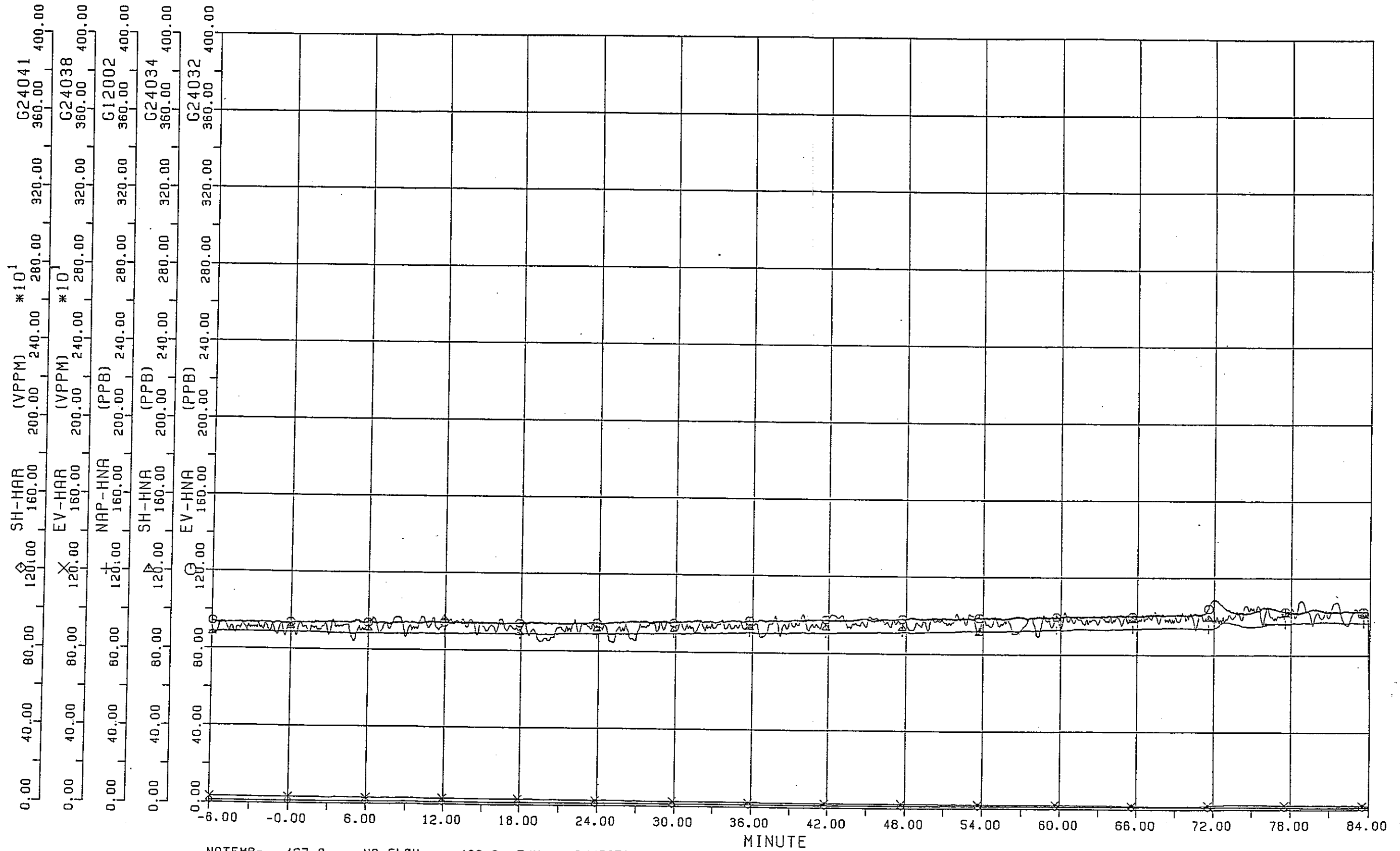
NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 180.0 SECOND INJECT RATE= 0.020000 G/SEC
83 NEN 04 GATS 29 NICHI 09 ZI 49 FUN 56 BY0 RUN-937
SAMPLING PERIOD 2.00

CASE C937 HYDROGEN INJECTION TE

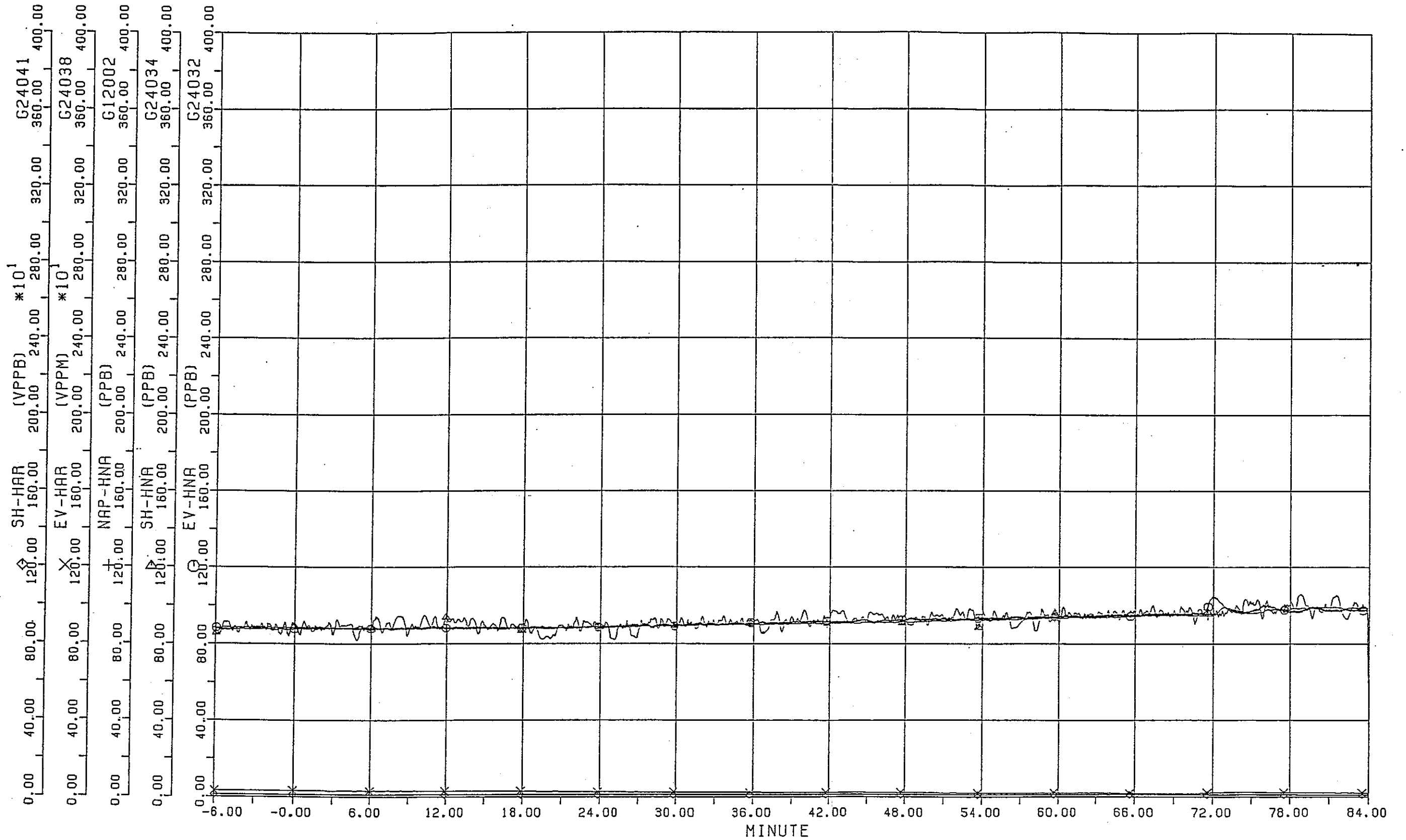


NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
88 NEN C4 GATS 09 NICHE 09 EI 49 FUN 56 BYO RUN-337
SAMPLING PERIOD 2.00 CASE 0908 HYDROGEN FLAME ION DET

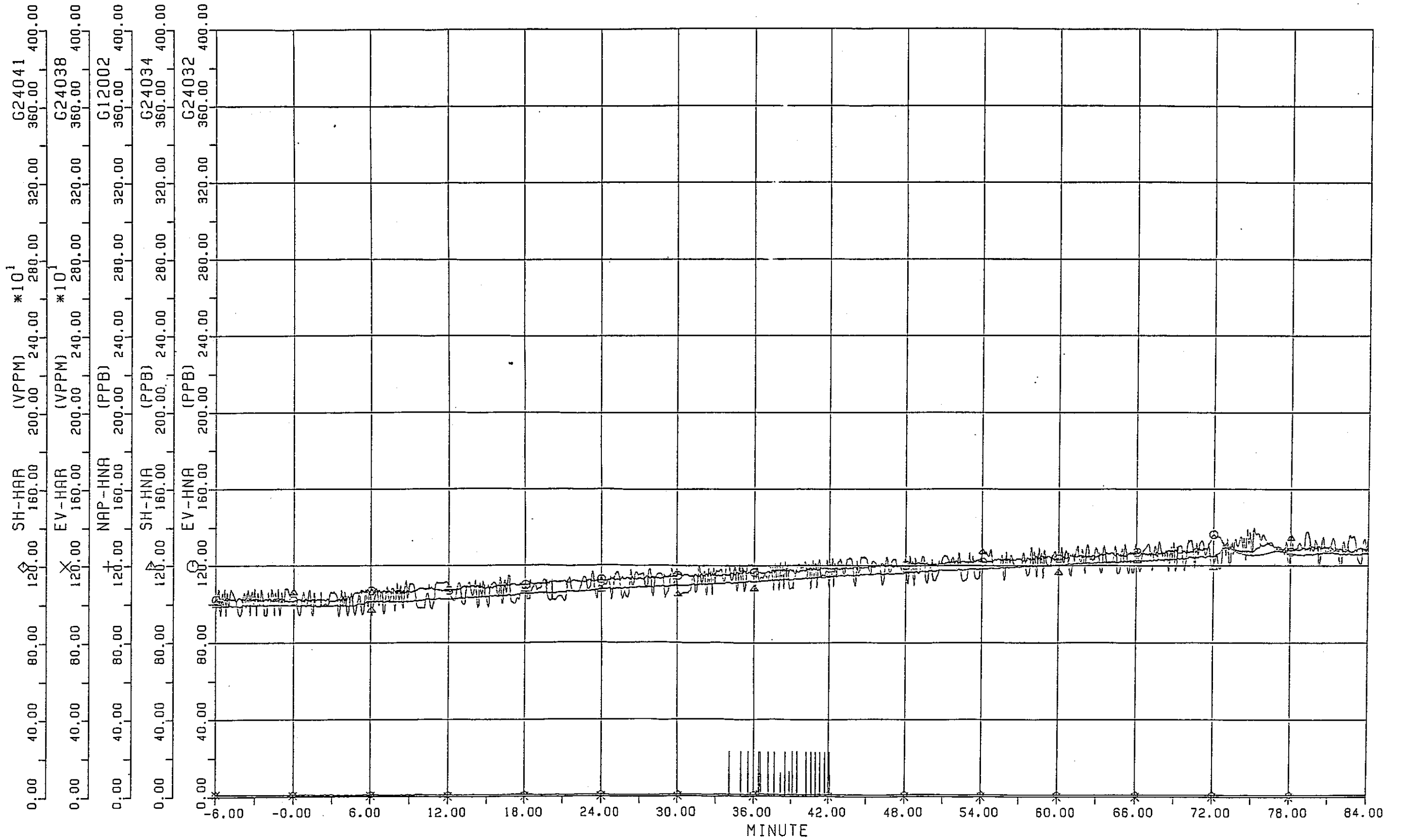
平均化 = 10



NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 04 GATS 29 NICHI 09 ZI 49 FUN 56 BYO RUN-937
 SAMPLING PERIOD 2.00
 CASE C938 HYDROGEN INJECTION TES



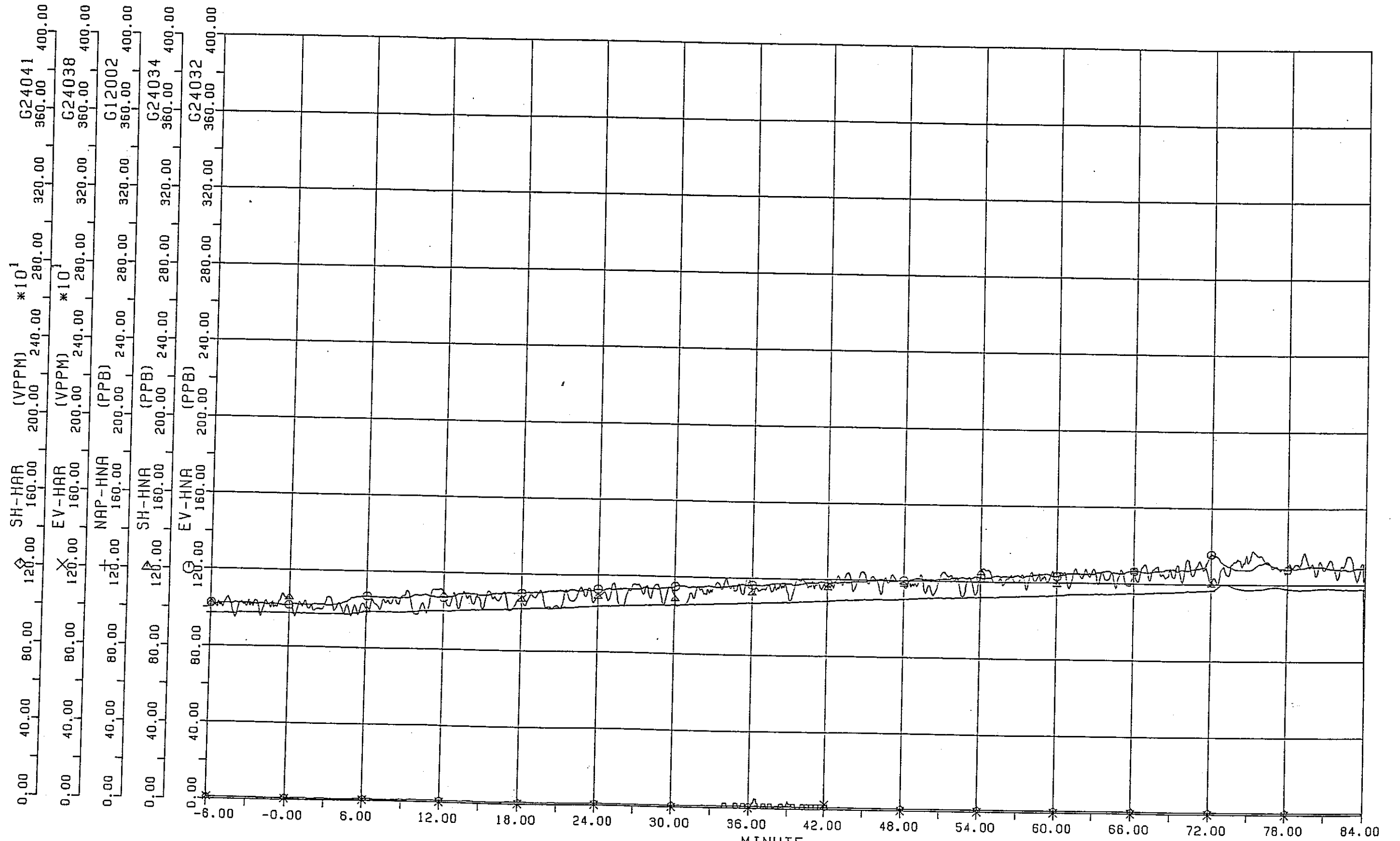
NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
83 NEN 04 GATS 29 NICHI 09 ZI 49 FUN 56 BY0 RUN-937
SAMPLING PERIOD 2.00
CASE C938 HYDROGEN INJECTION TES



NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000300 G/SEC
 83 NEN 04 GATS 29 NICHI 09 ZI 49 FUN 56 BYO RUN-937
 SAMPLING PERIOD 2.00

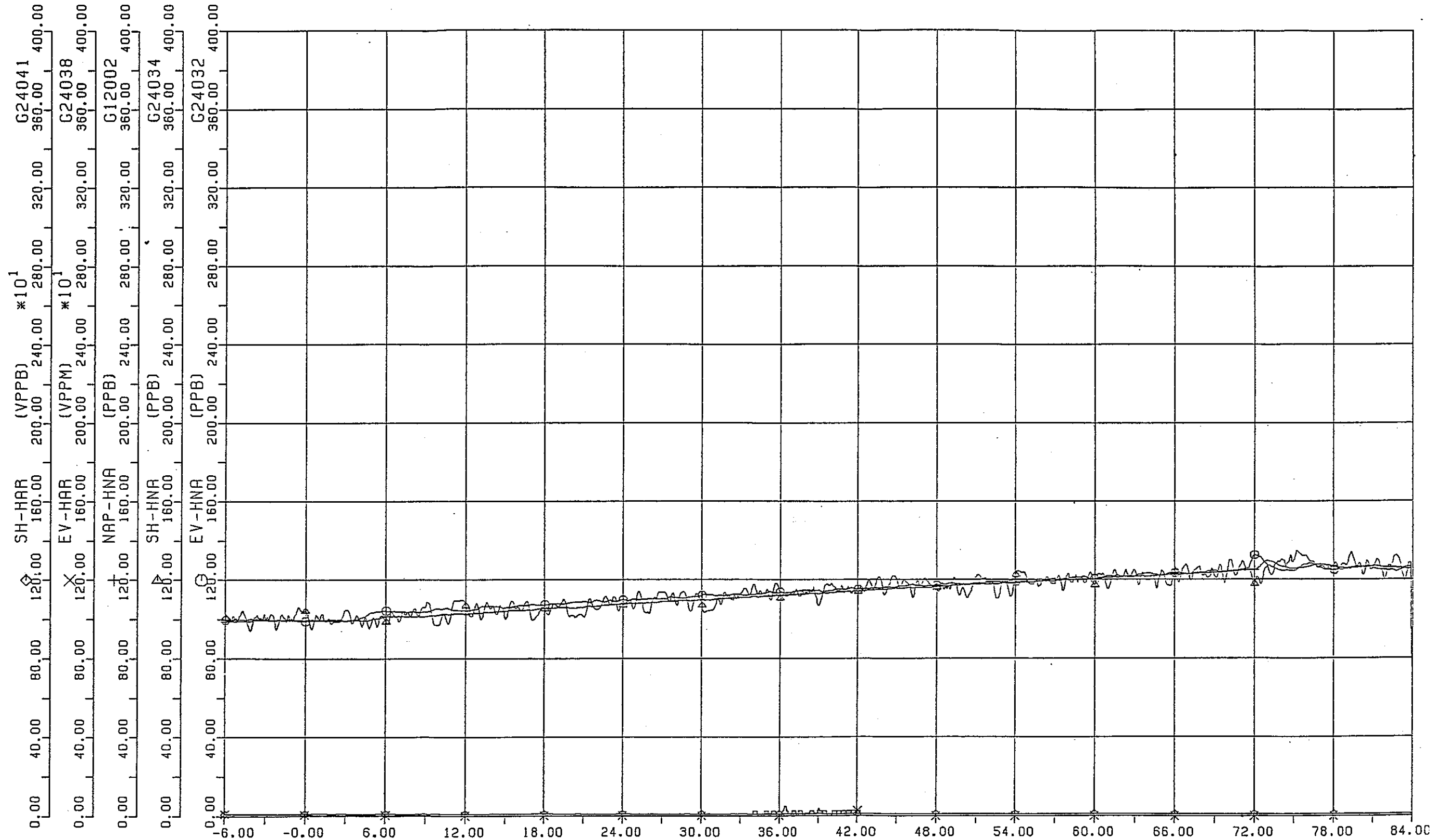
CASE C939 HYDROGEN INJECTION TES

平均化 = 10



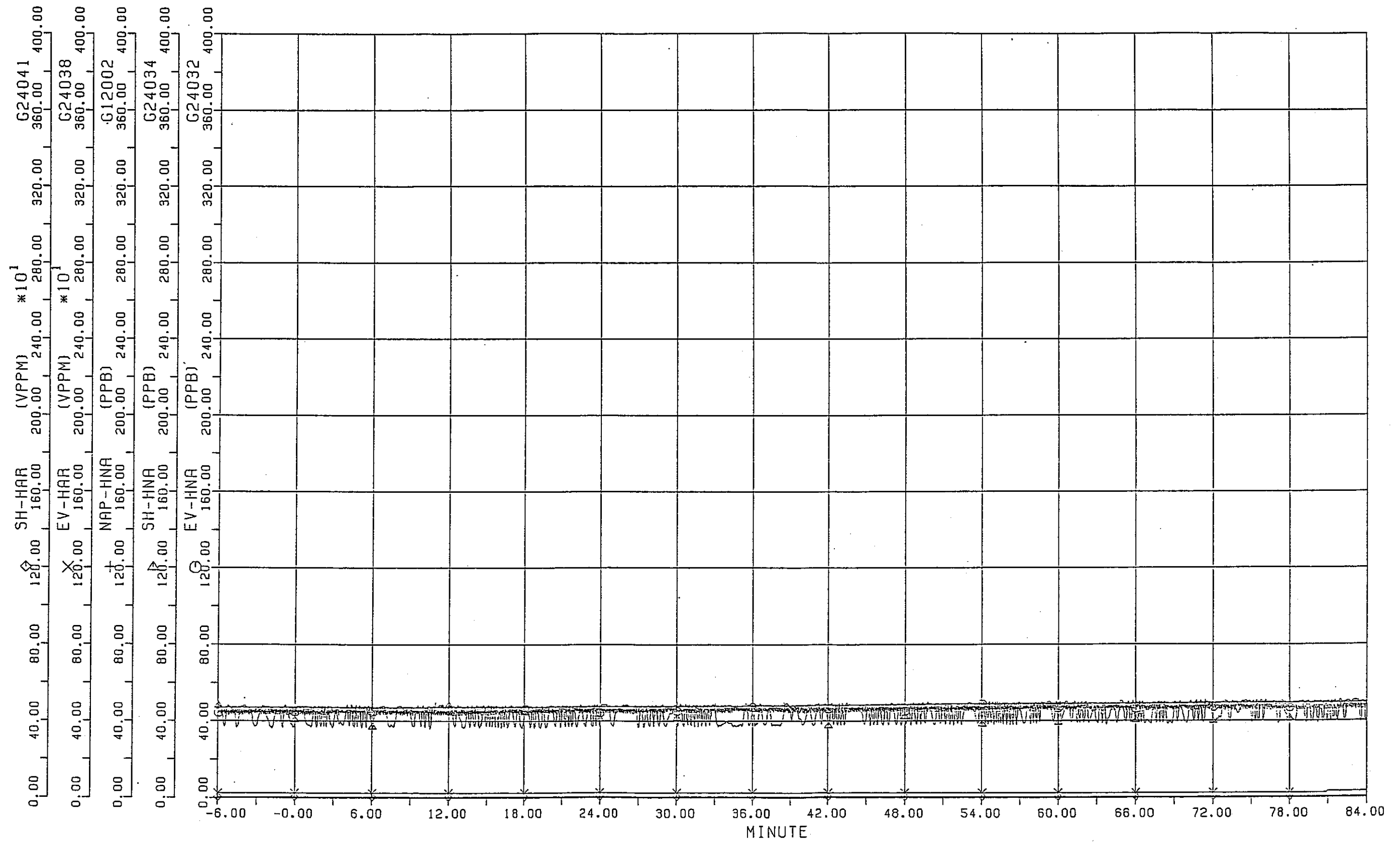
NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000300 G/SEC
 83 NEN 04 GATS 29 NICHI 09 ZI 49 FUN 56 BY0 RUN-937
 SAMPLING PERIOD 2.00

CASE C939 HYDROGEN INJECTION TEST



NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000300 G/SEC
 83 NEN 04 GATS 29 NICHI 09 ZI 49 FUN 56 BYO RUN-937
 SAMPLING PERIOD 2.00

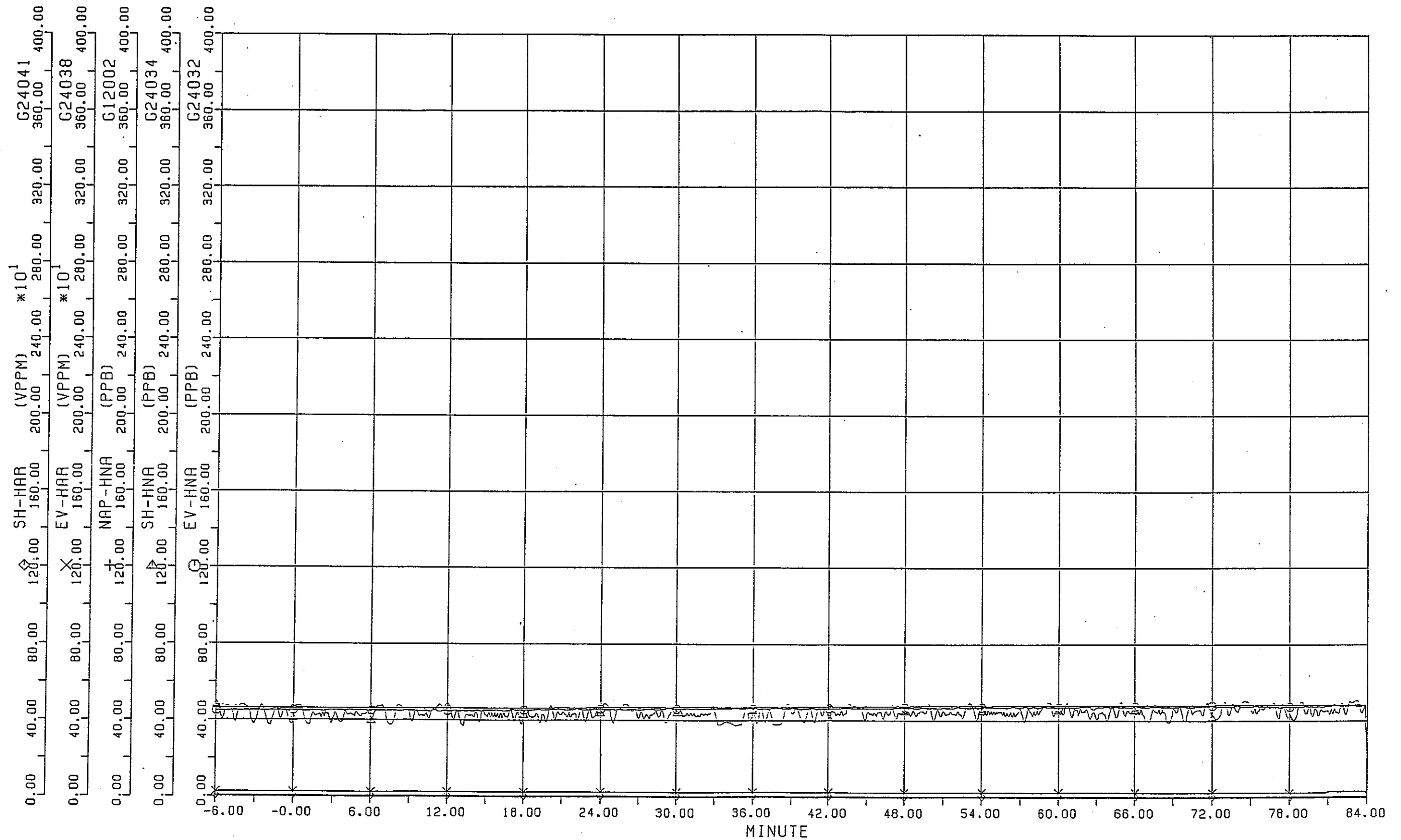
CASE C939 HYDROGEN INJECTION TE



NATEMP= 300.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BYO RUN-940
 SAMPLING PERIOD 2.00

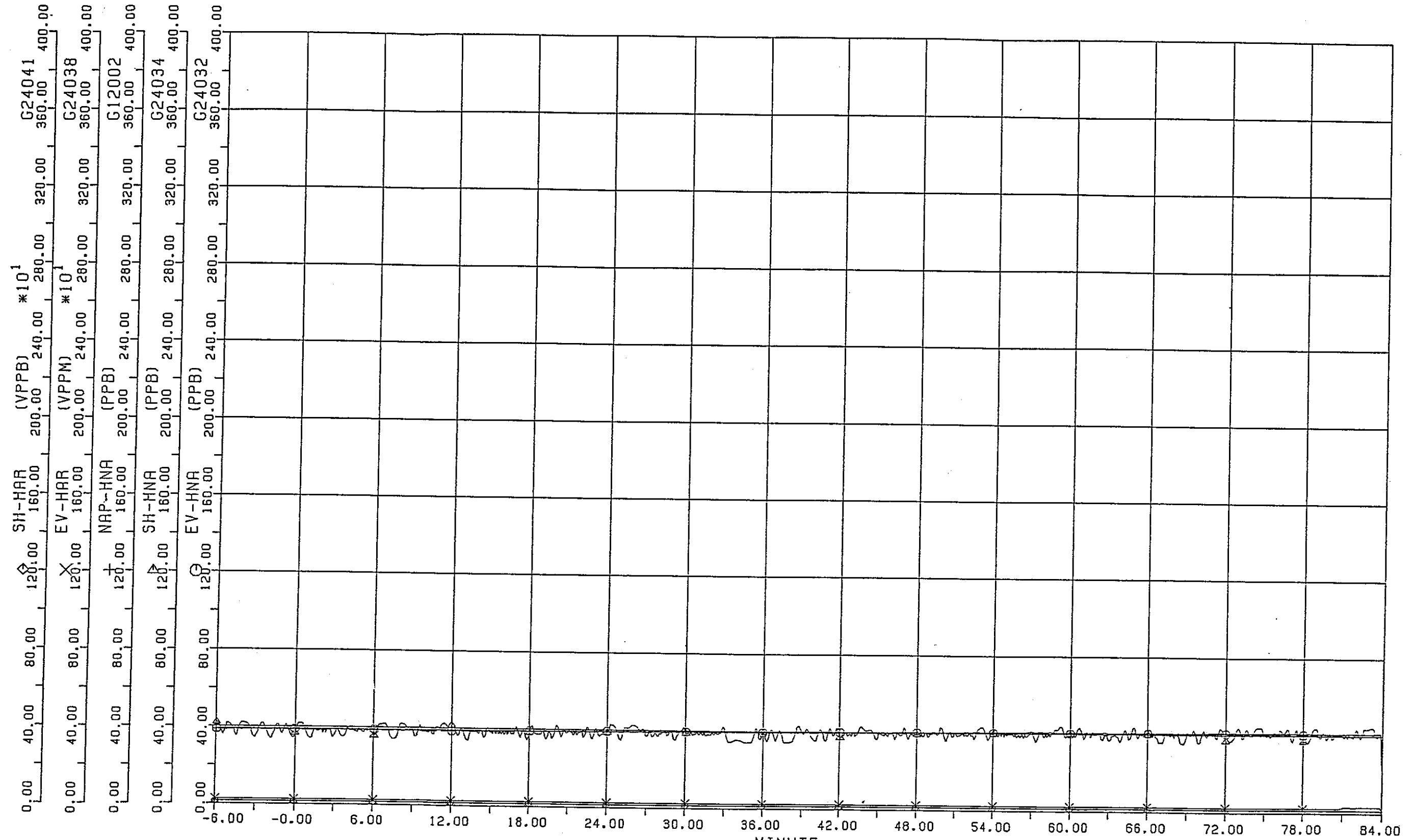
CASE C940 HYDROGEN INJECTION TEST

平均化 = 10



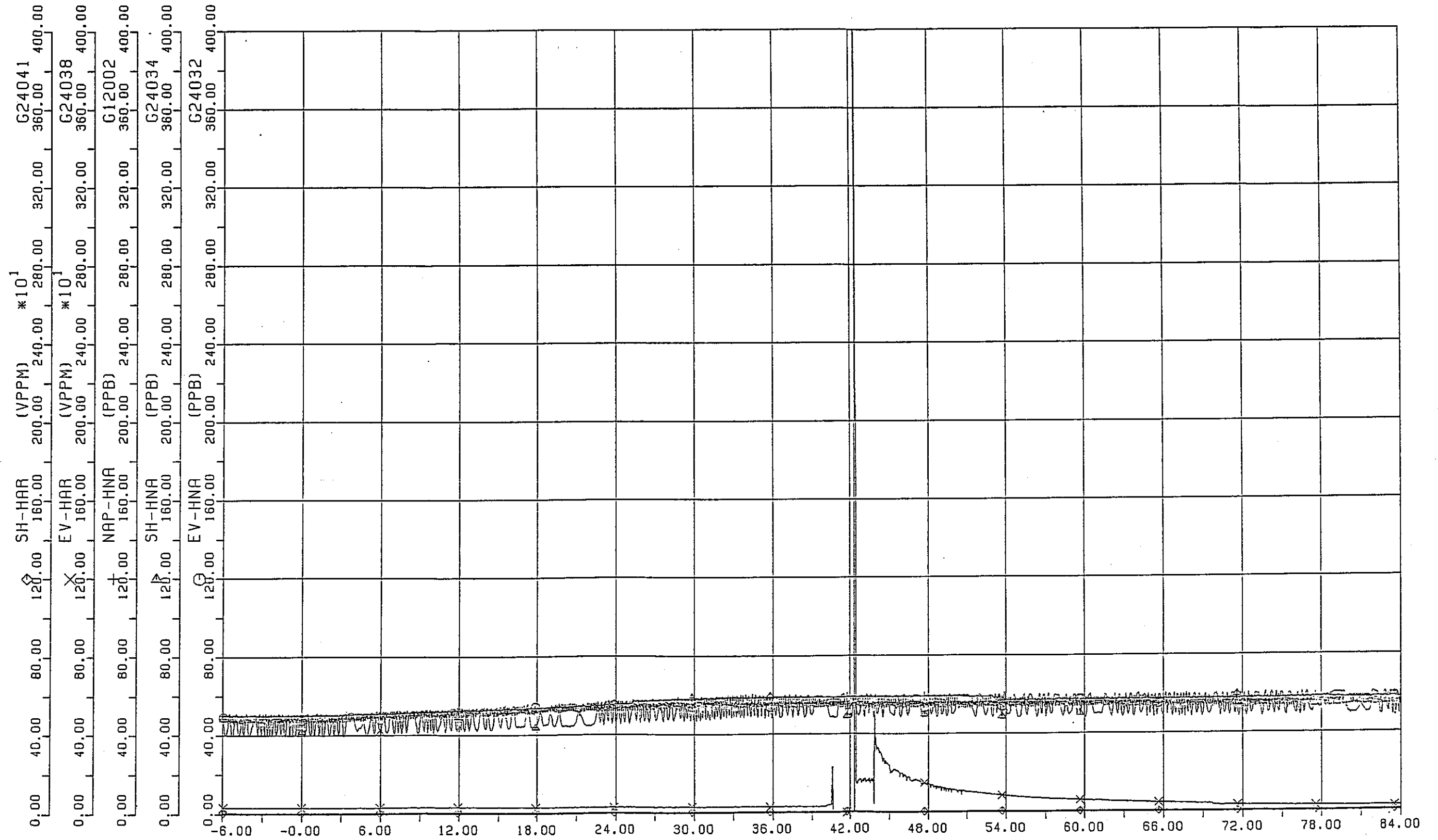
NATEMP= 300.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BYO RUN-940
 SAMPLING PERIOD 2.00

CASE C940 HYDROGEN INJECTION TEST



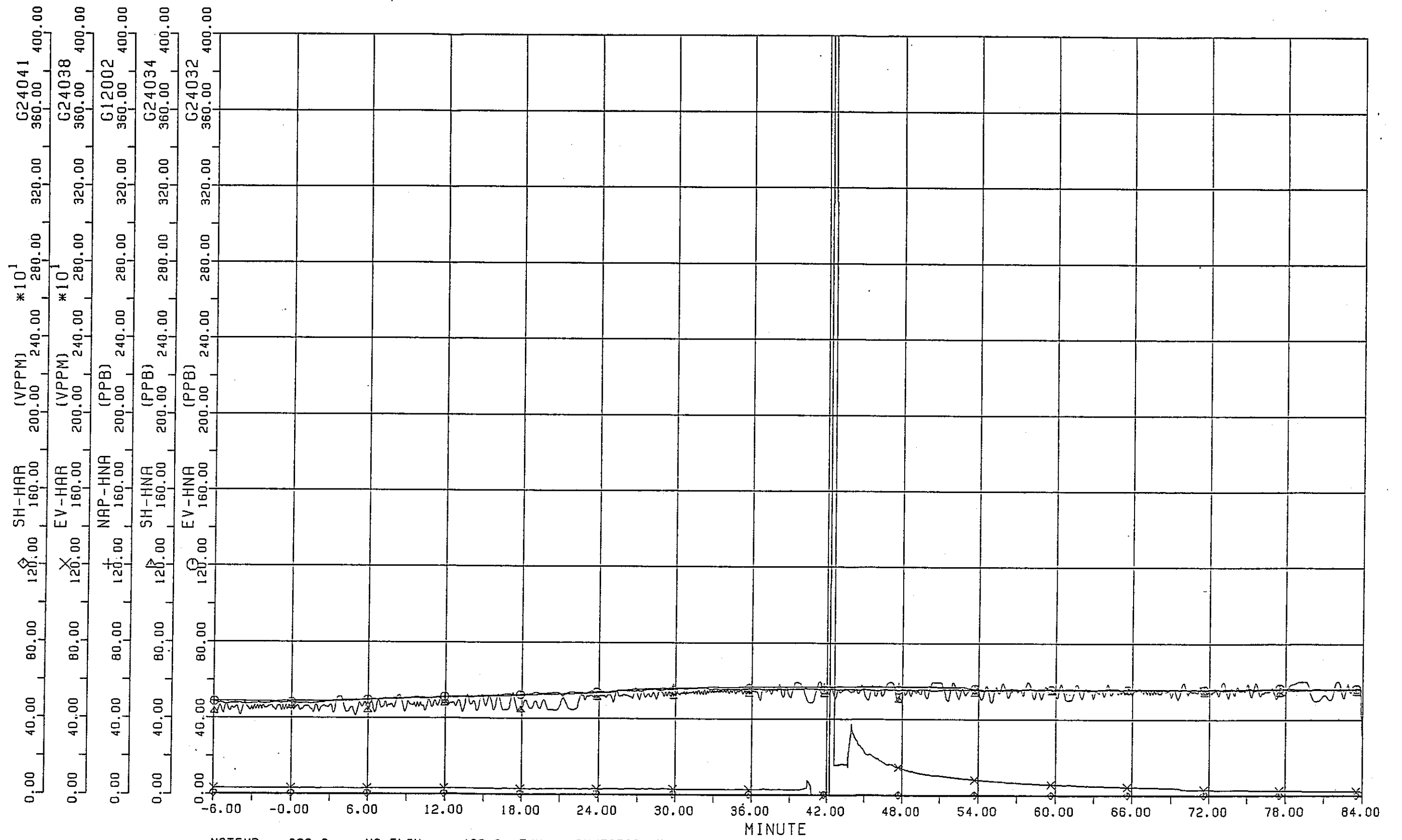
NATEMP= 300.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BY0 RUN-940
SAMPLING PERIOD 2.00

CASE C940 HYDROGEN INJECTION TEST



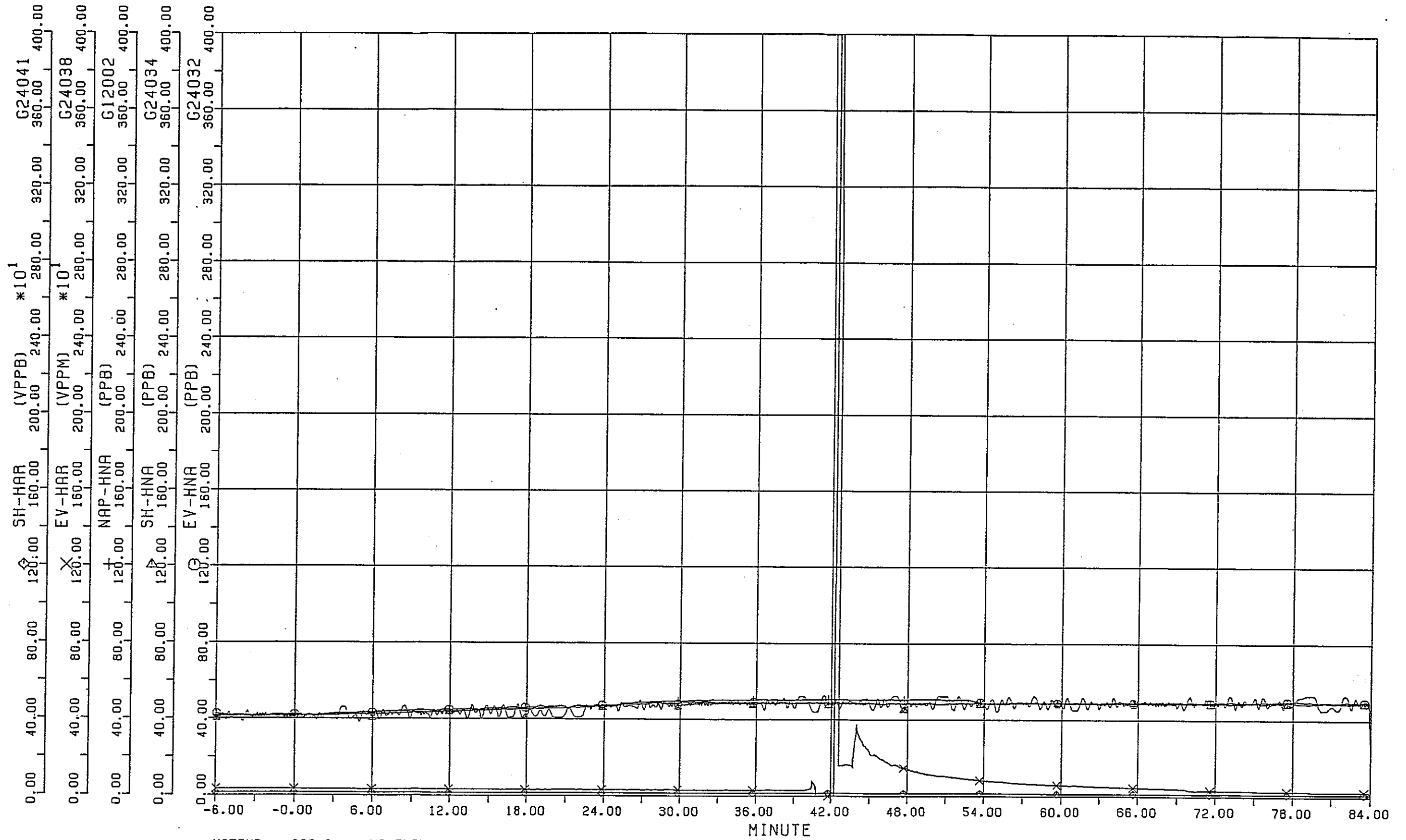
NATEMP= 300.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 09 NICH I 09 ZI 30 FUN 56 BYO RUN-940
SAMPLING PERIOD 2.00 CASE C941 HYDROGEN INJECTION TES

平均化 = 10



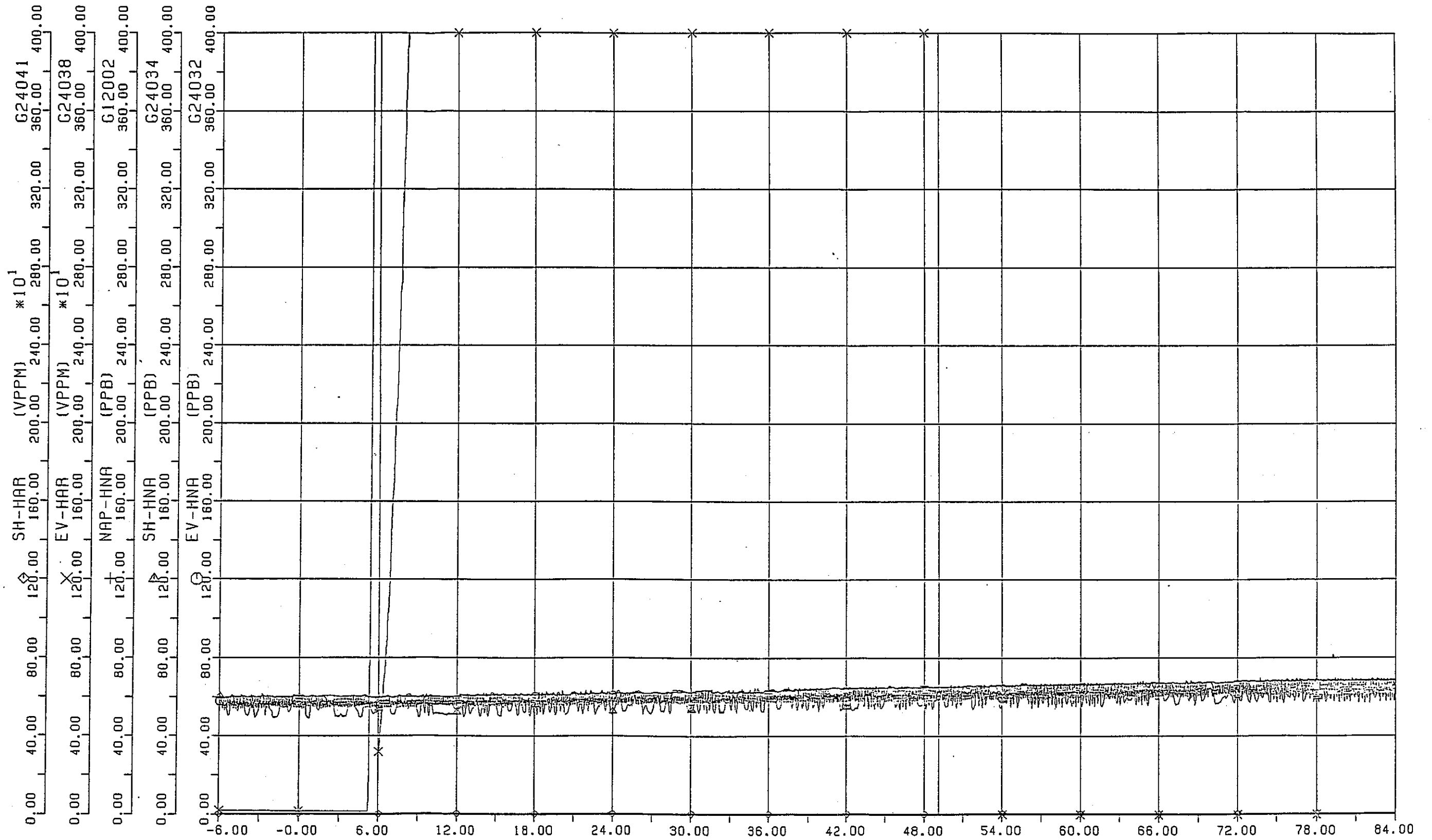
NATEMP= 300.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BYO RUN-940
 SAMPLING PERIOD 2.00

CASE C941 HYDROGEN INJECTION TEST



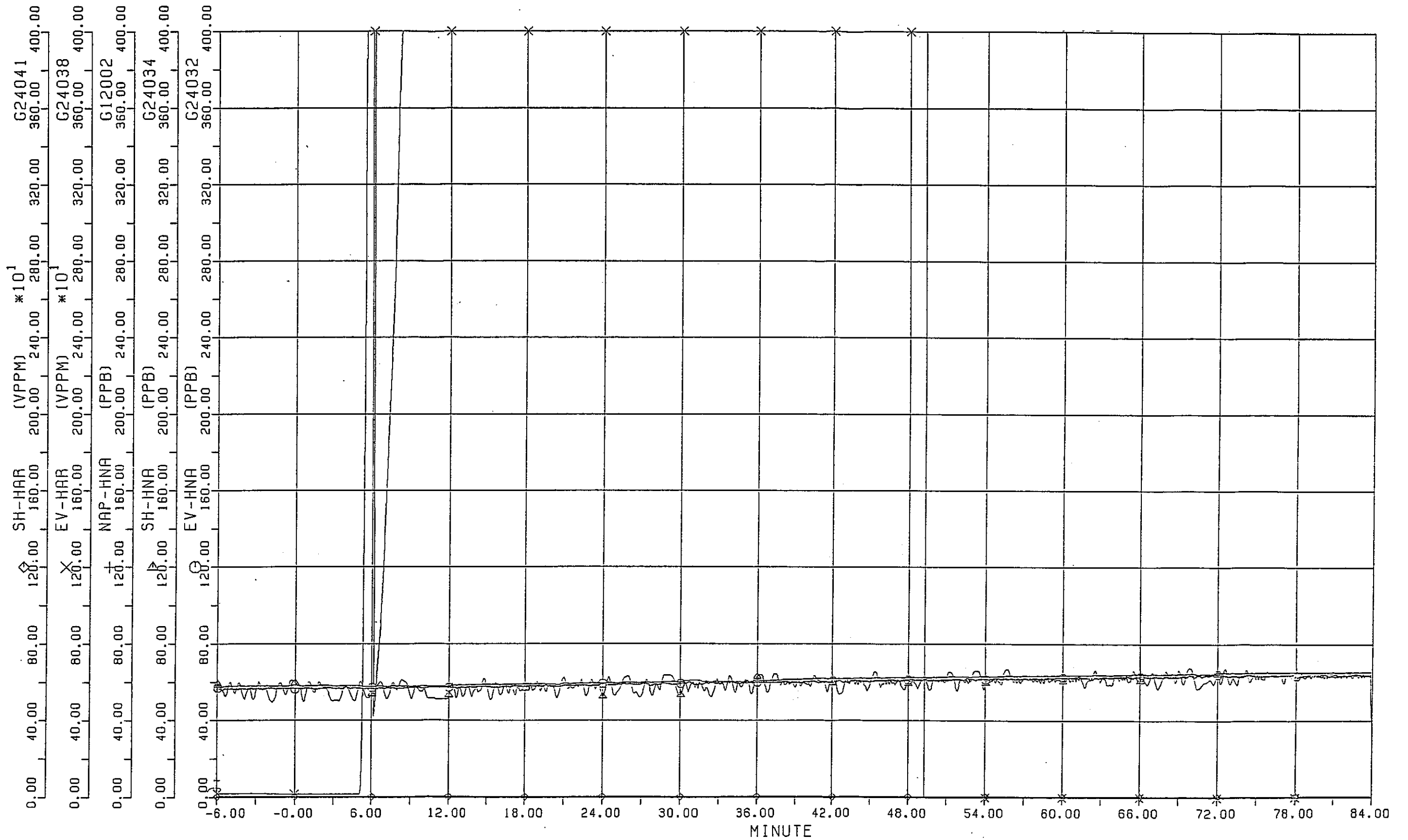
NATEMP= 300.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BYO RUN-940
SAMPLING PERIOD 2.00

CASE C941 HYDROGEN INJECTION TES



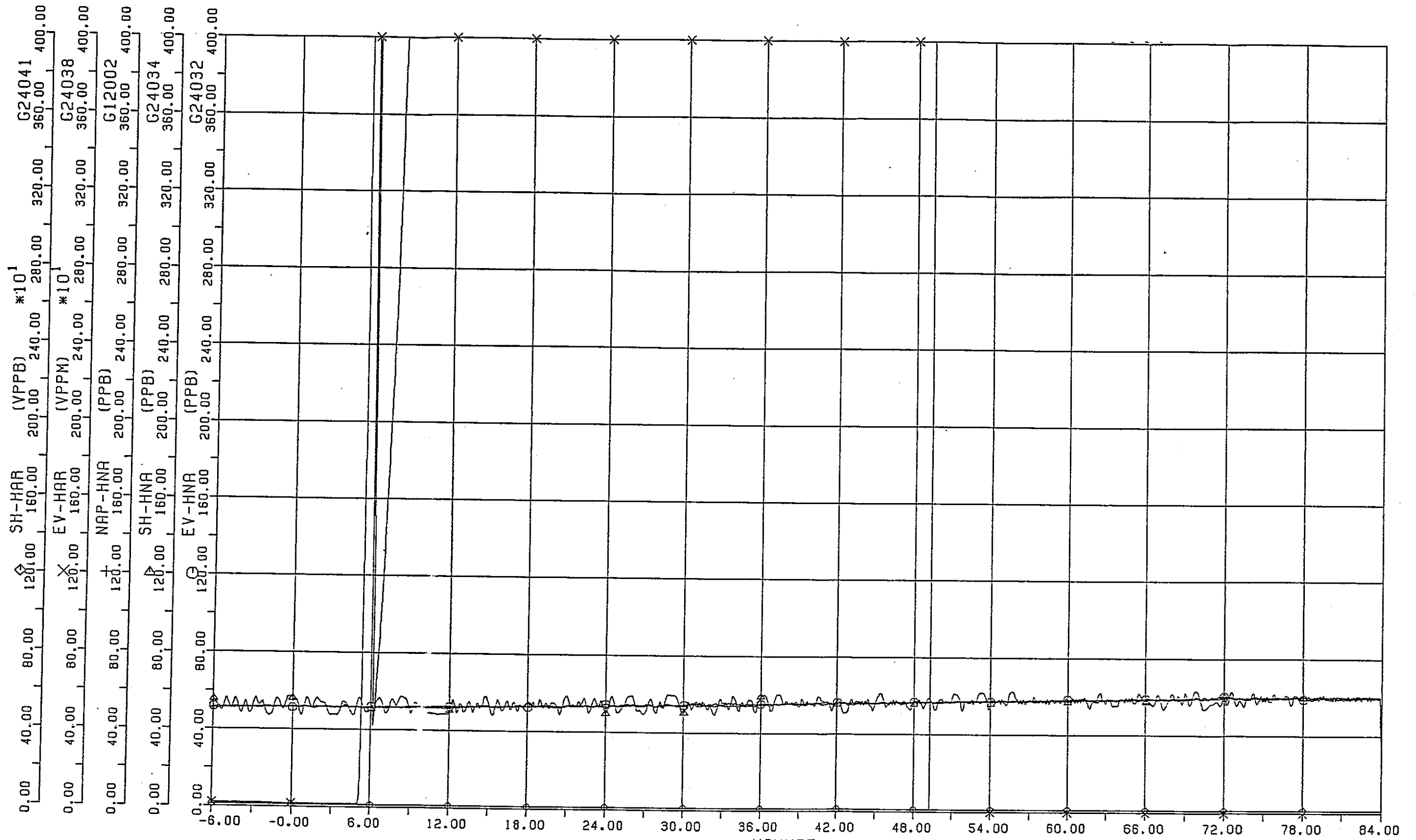
NATEMP= 298.0 NA FLOW = 600.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 09 NICH 09 ZI 30 FUN 56 BYO RUN-940
SAMPLING PERIOD 2.00
CASE C942 HYDROGEN INJECTION TEST

平均化 = 10



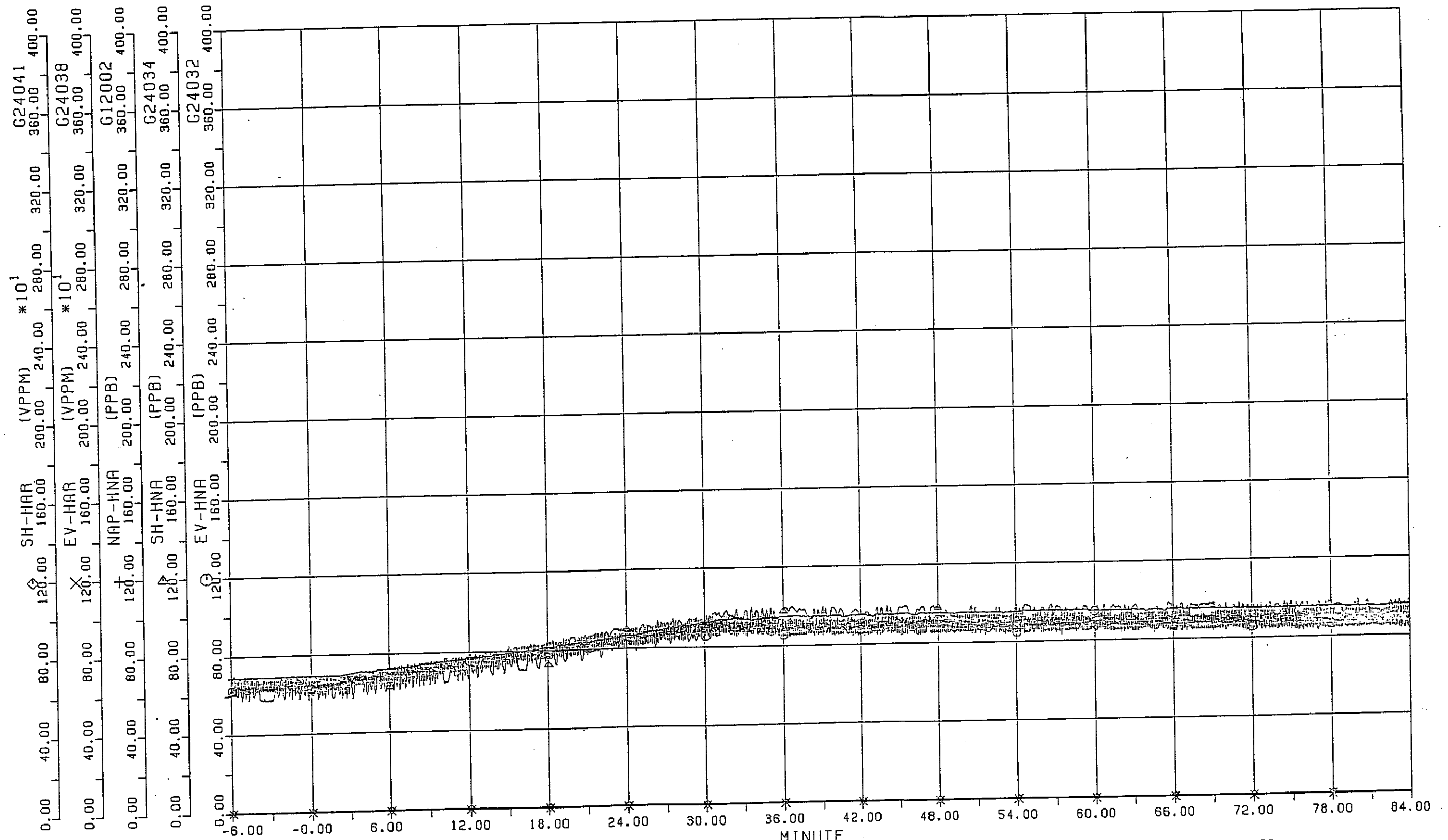
NATEMP= 298.0 NA FLOW = 600.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 09 NICH 09 ZI 30 FUN 56 BY0 RUN-940
 SAMPLING PERIOD 2.00

CASE C942 HYDROGEN INJECTION TEST



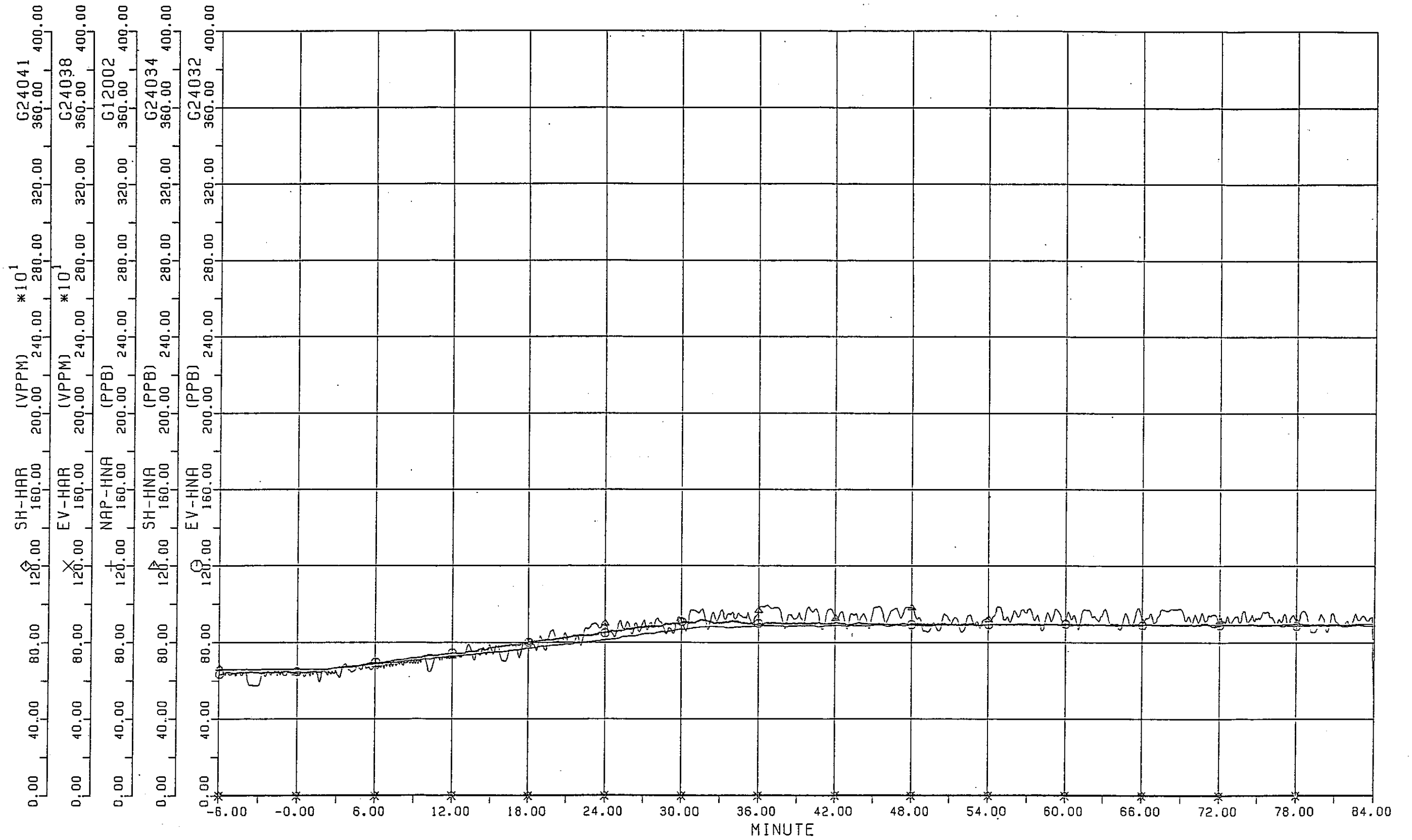
NATEMP= 298.0 NA FLOW = 600.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BYO RUN-940
SAMPLING PERIOD 2.00

CASE C942 HYDROGEN INJECTION TEST



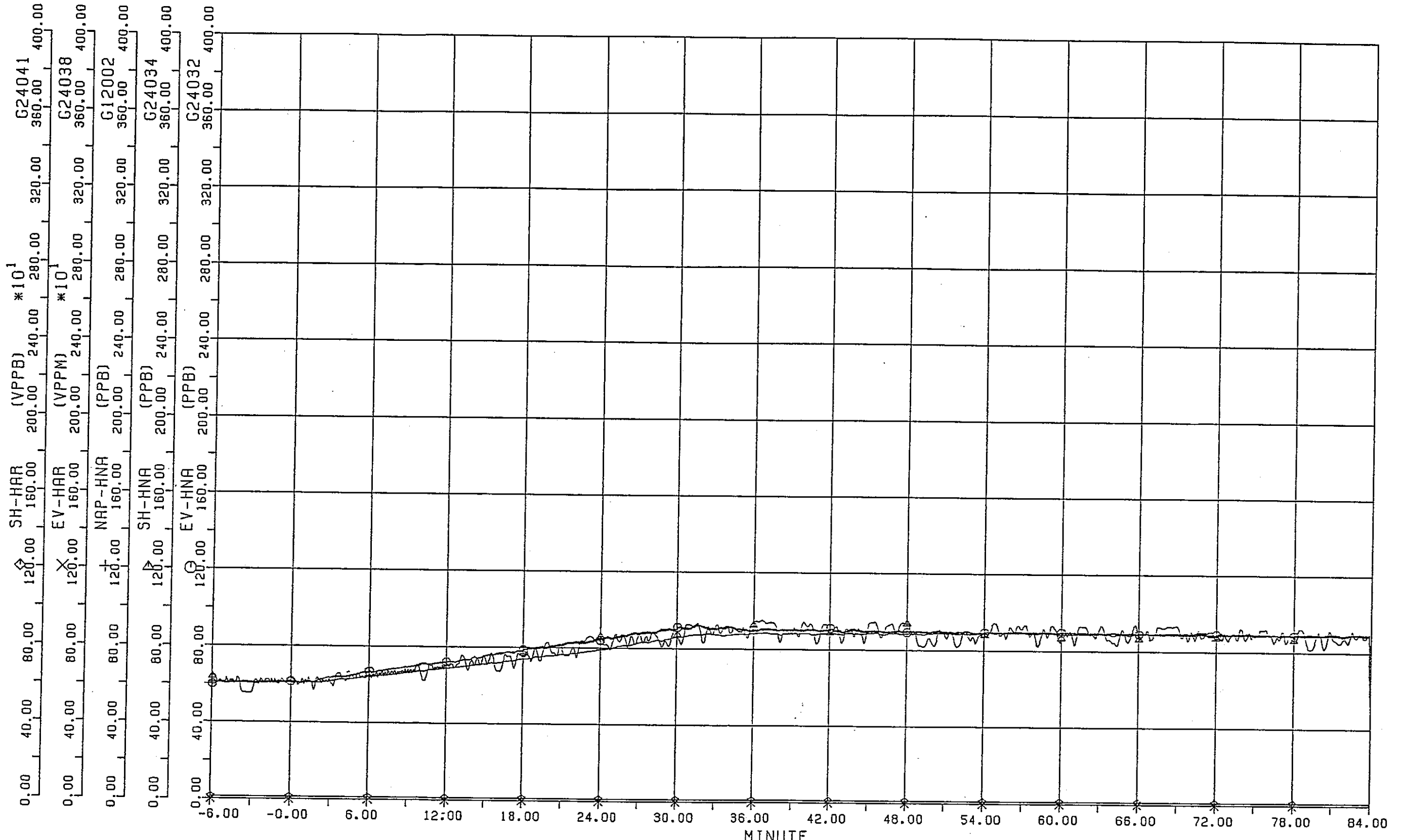
NATEMP= 300.0 NA FLOW = 600.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.000300 G/SEC
83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BYO RUN-940
SAMPLING PERIOD 2.00
CASE C943 HYDROGEN INJECTION TEST

平均化 = 10



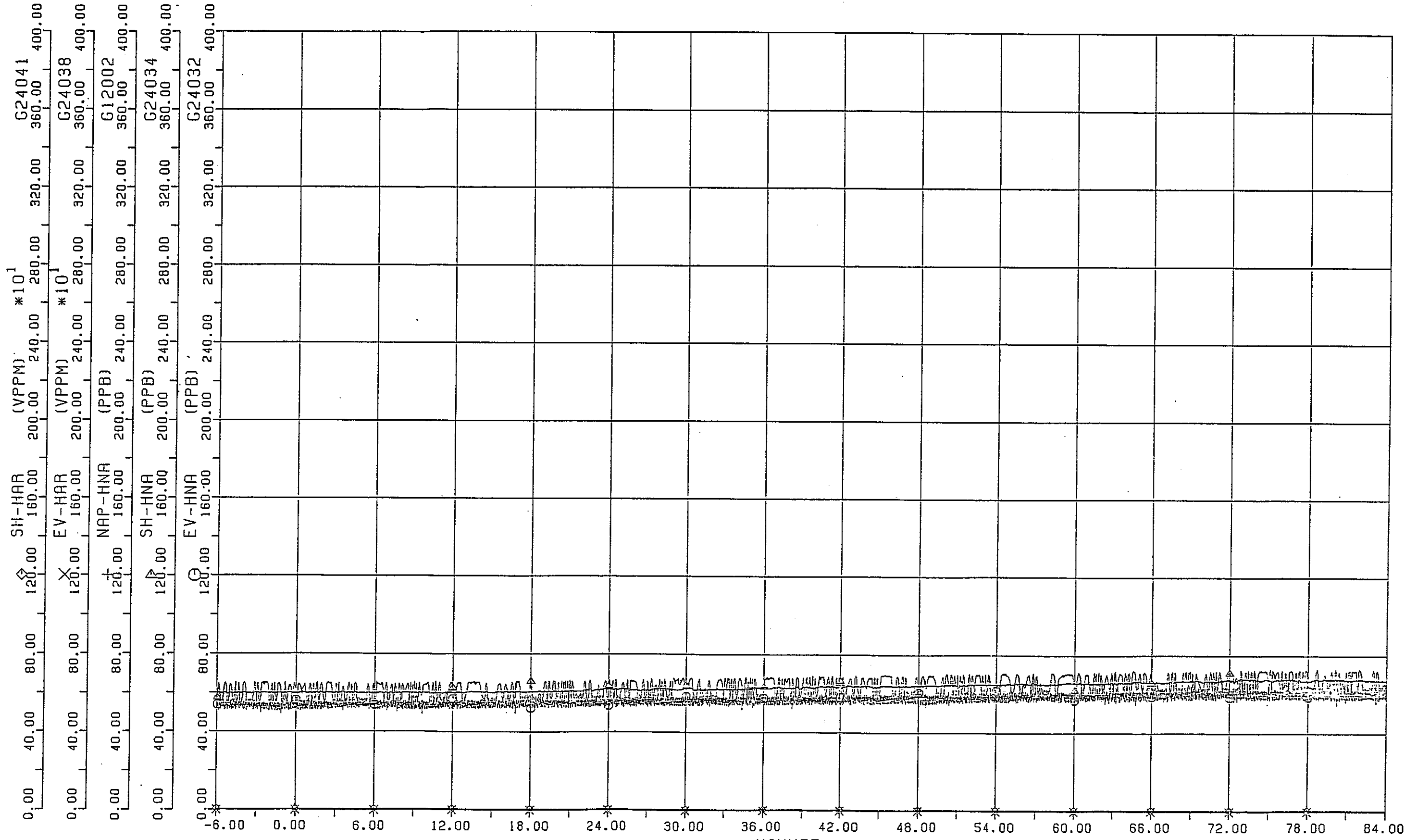
NATEMP= 300.0 NA FLOW = 600.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.000300 G/SEC
83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BY0 RUN-940
SAMPLING PERIOD 2.00

CASE C943 HYDROGEN INJECTION TEST



NATEMP= 300.0 NA FLOW = 600.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.000300 G/SEC
 83 NEN 06 GATS 09 NICHI 09 ZI 30 FUN 56 BY0 RUN-940
 SAMPLING PERIOD 2.00

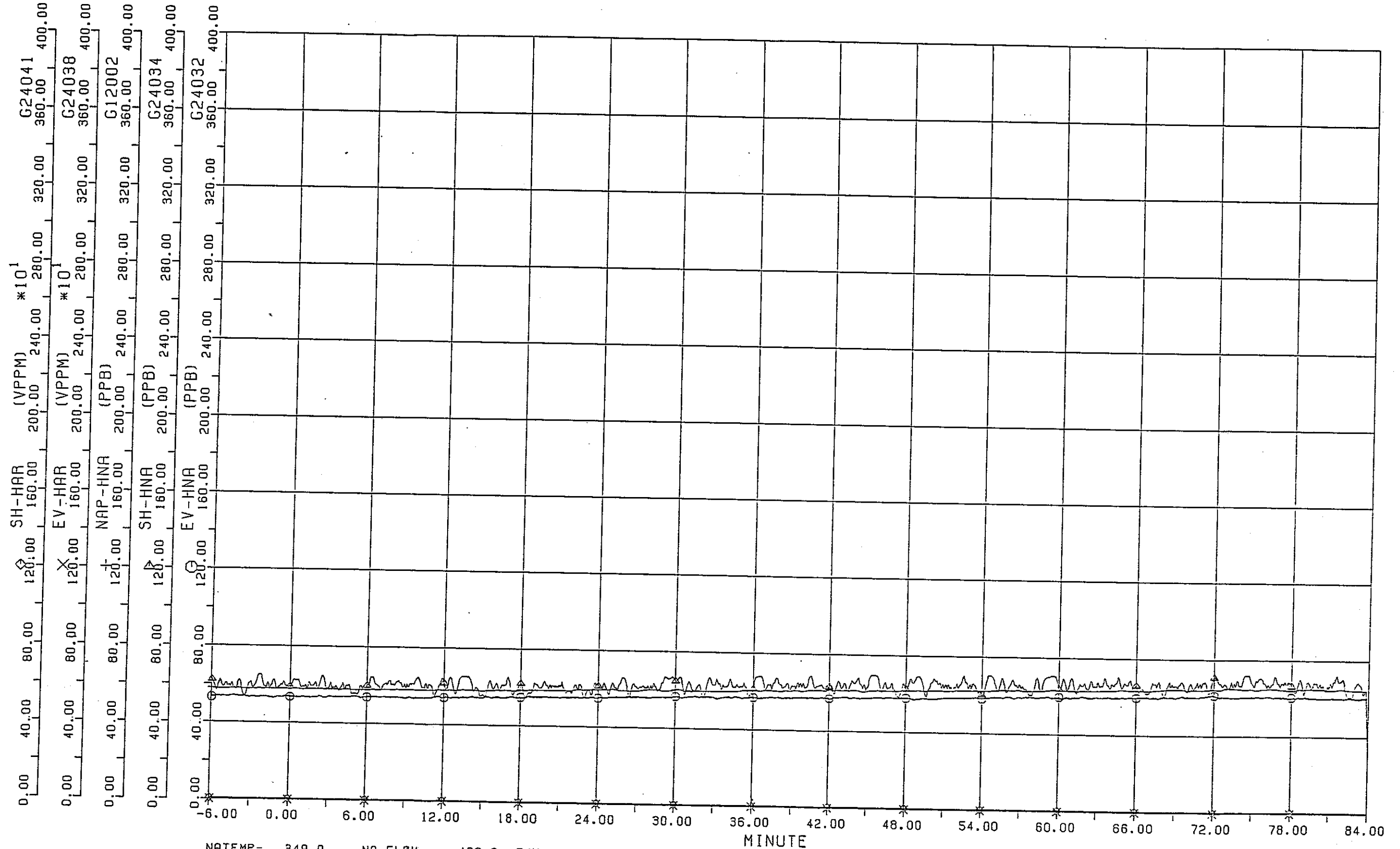
CASE C943 HYDROGEN INJECTION TES



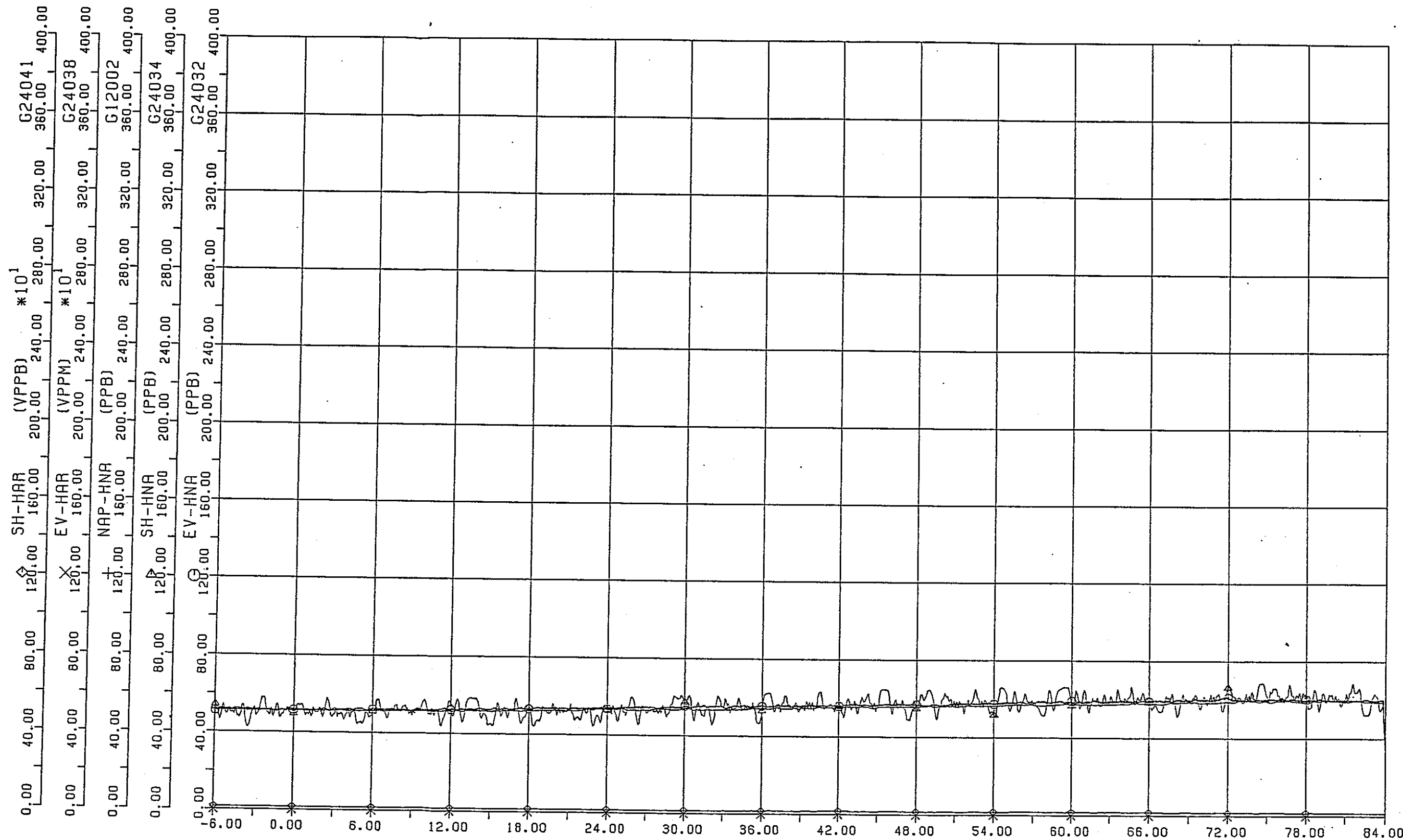
NATEMP= 349.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 12 NICH1 10 ZI 59 FUN 57 BY0 RUN-944
 SAMPLING PERIOD 2.00

CASE C944 HYDROGEN INJECTION TEST

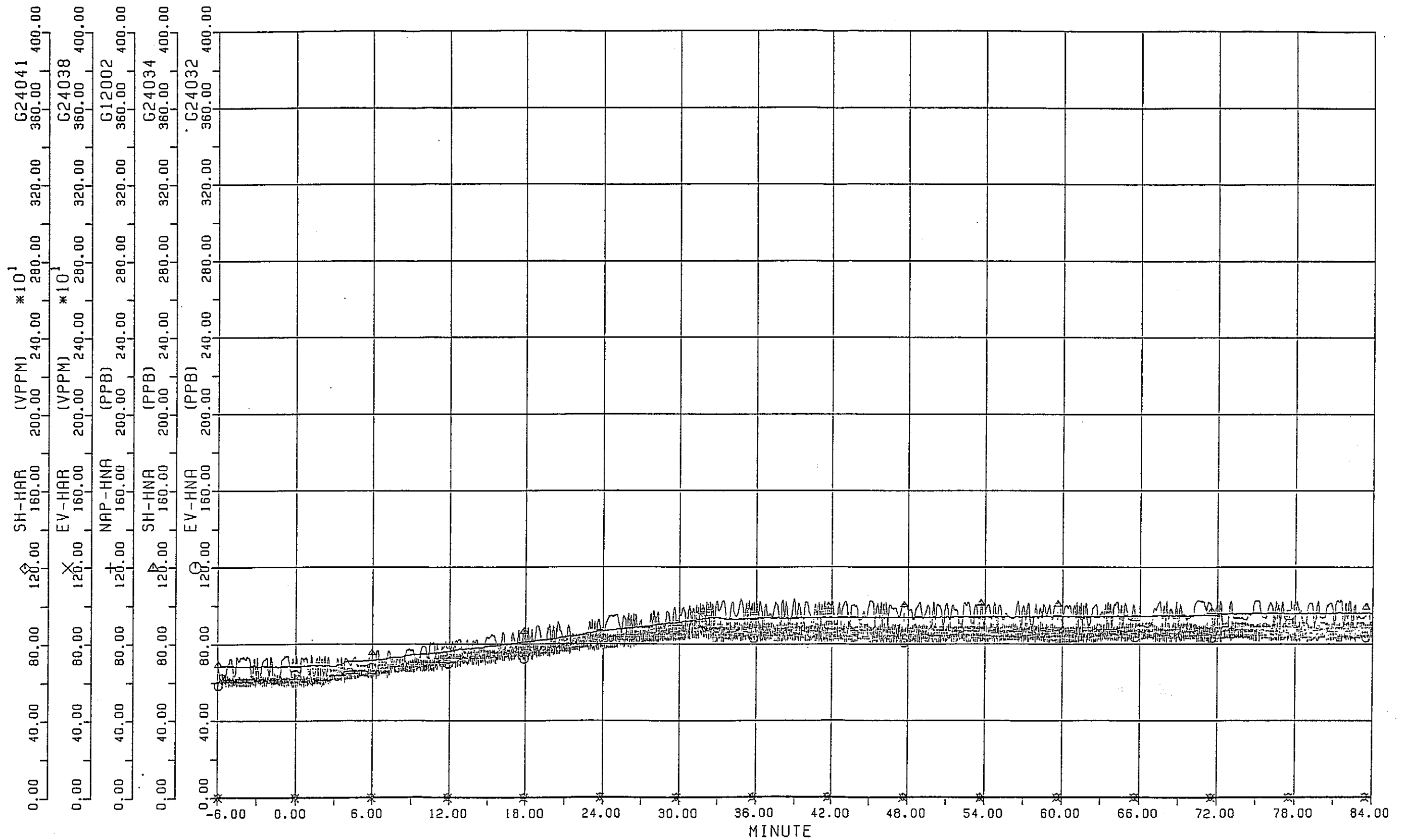
平均化 = 10



NATEMP= 349.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0
 83 NEN 06 GATS 12 NICHI 10 ZI 59 FUN 57 BYO RUN-944
 SAMPLING PERIOD 2.00 SECOND INJECT RATE= 0.000200 G/SEC
 CASE C944 HYDROGEN INJECTION TEST

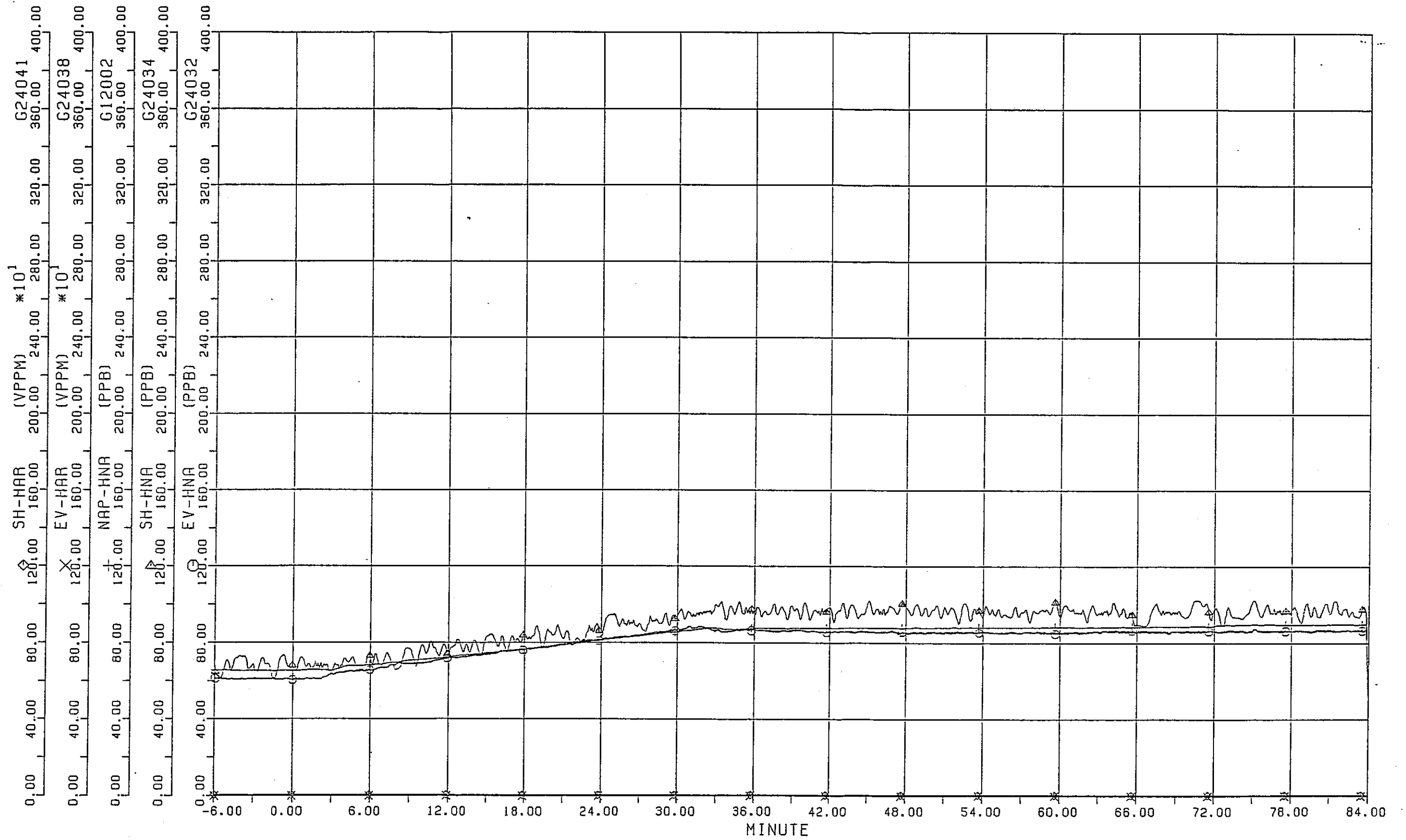


NATEMP= 349.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 89 NEN 06 GATS 12 NICHI 10 ZI 59 FUN 57 BY0 RUN-944
 SAMPLING PERIOD 2.00
 CASE C944 HYDROGEN INJECTION TES

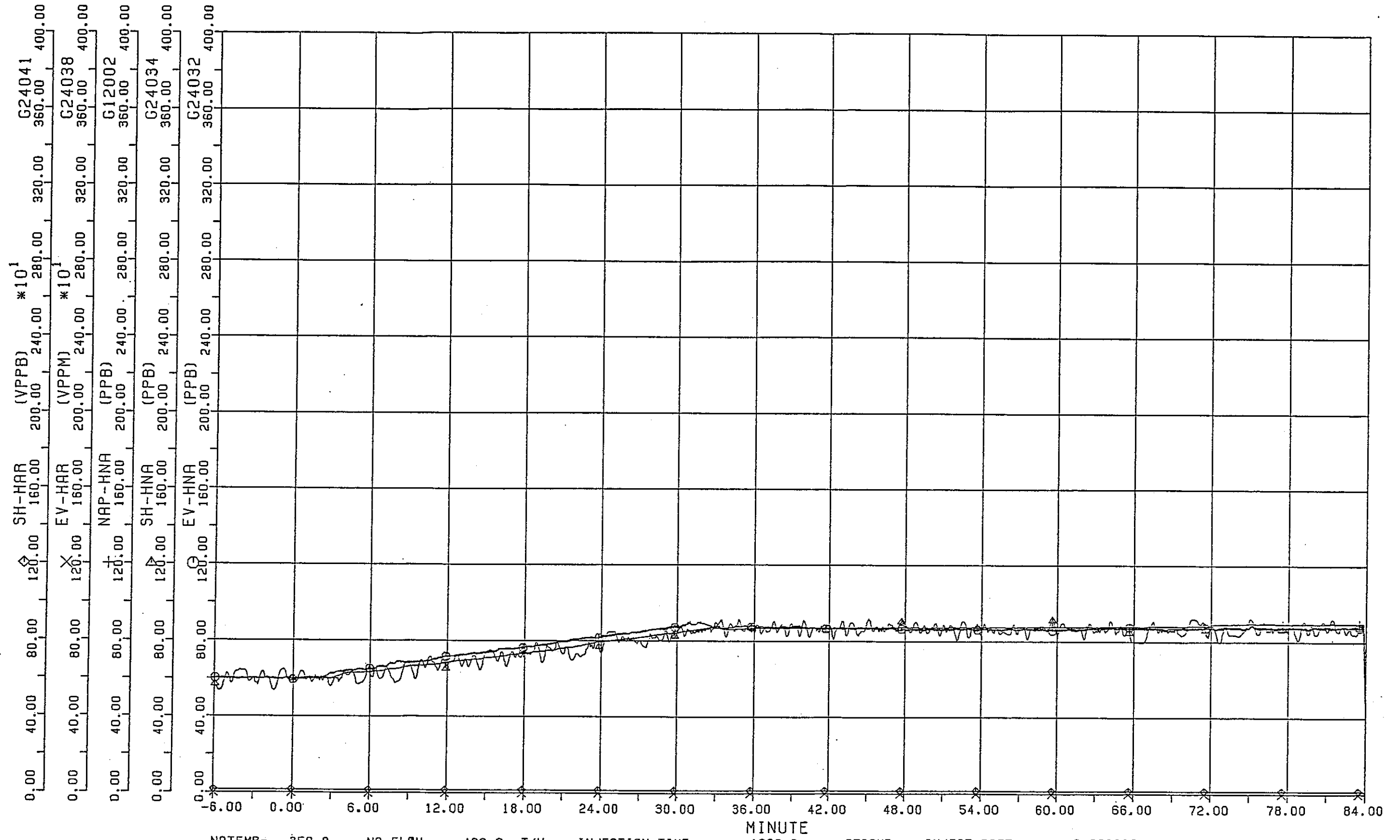


NATEMP= 350.0 NR FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 12 NICHI 10 ZI 59 FUN 57 BYO RUN-944
SAMPLING PERIOD 2.00 CASE C945 HYDROGEN INJECTION TEST

平均化 = 10

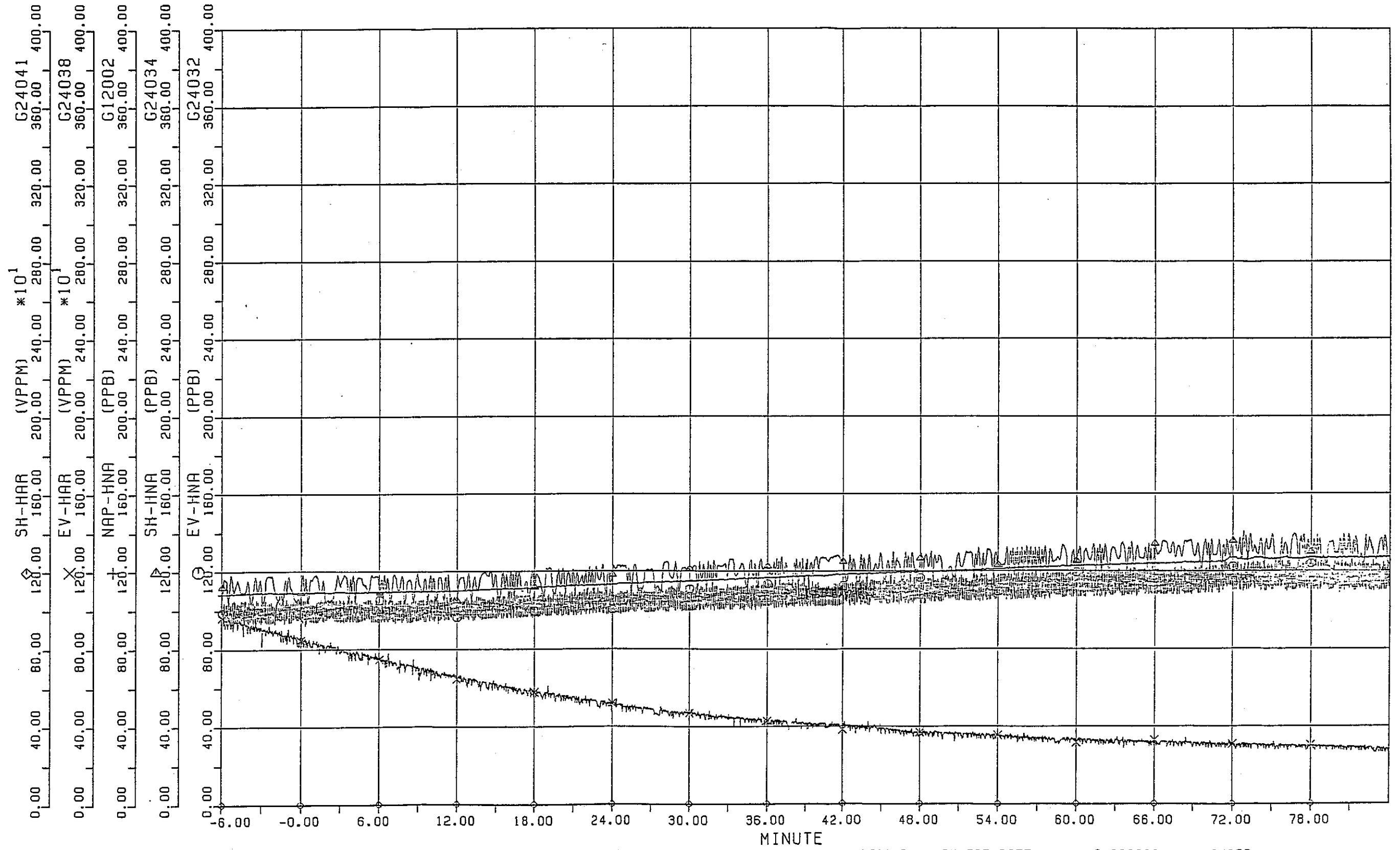


NATEMP= 350.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 12 NICH1 10 ZI 59 FUN 57 BYO RUN-944
SAMPLING PERIOD 2.00
CASE C945 HYDROGEN INJECTION TEST



NATEMP= 350.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 12 NICH1 10 ZI 59 FUN 57 BY0 RUN-944
SAMPLING PERIOD 2.00

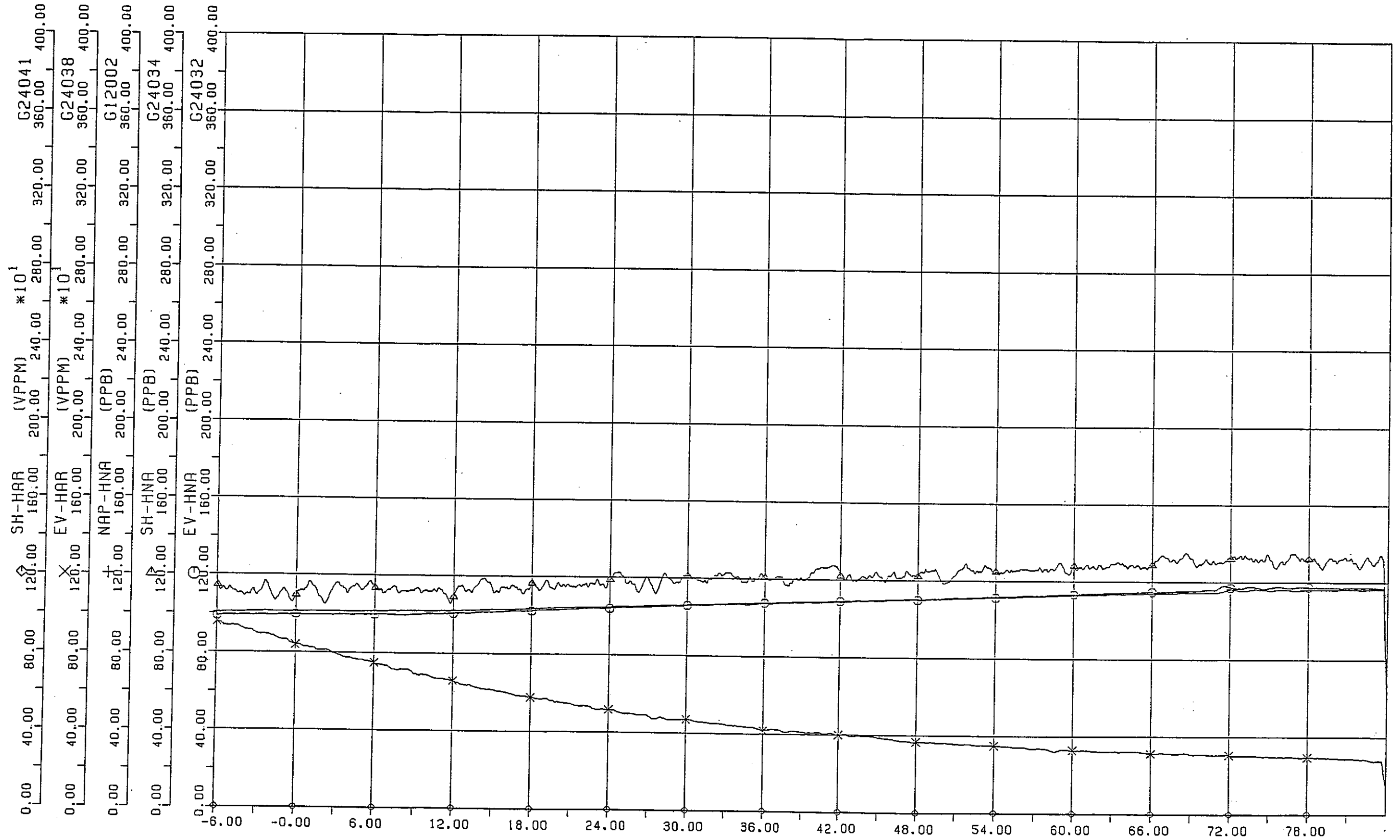
CASE C945 HYDROGEN INJECTION TEST



NATEMP= 351.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 12 NICHI 19 ZI 01 FUN 54 BYO RUN-945
SAMPLING PERIOD 2.00

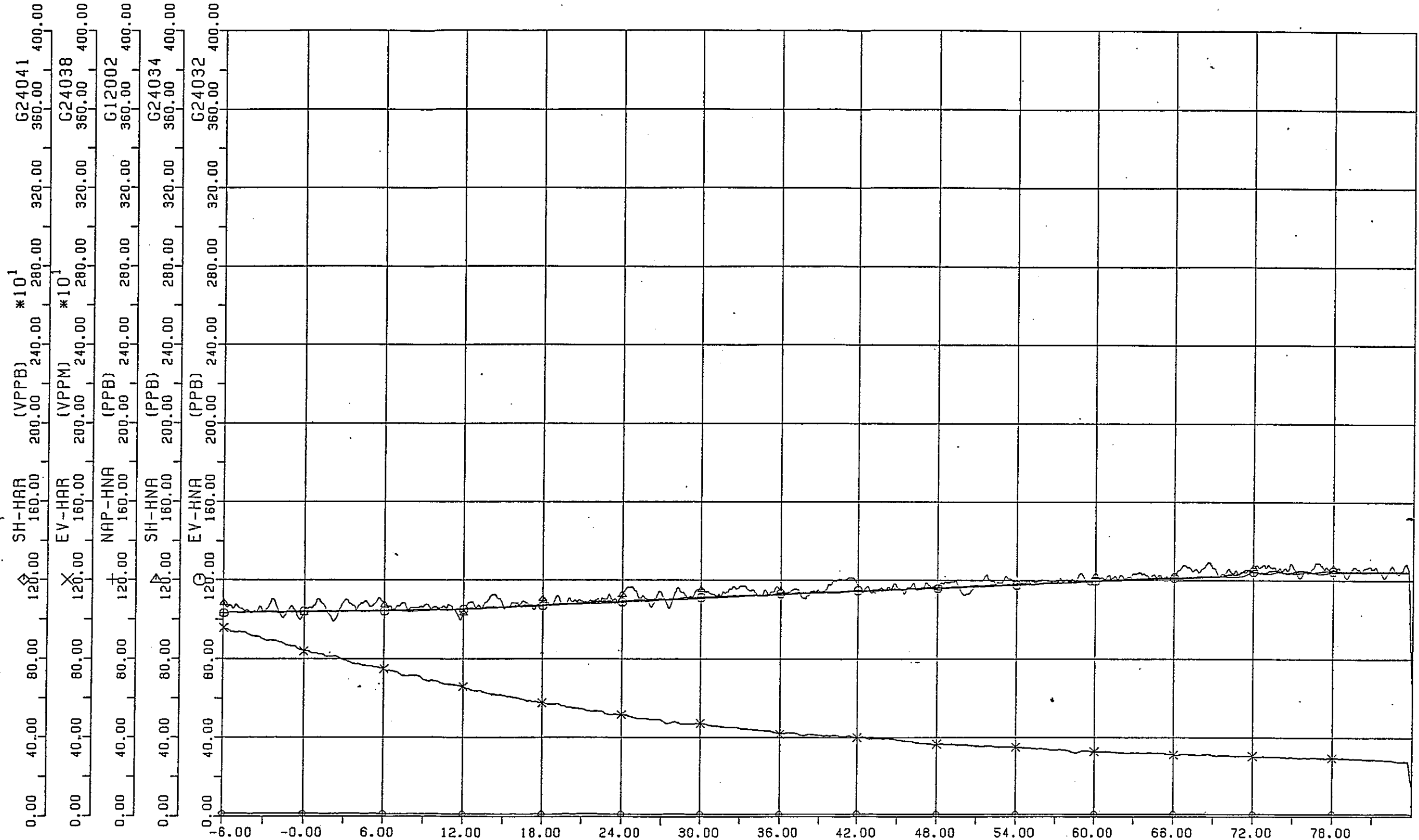
CASE C946 HYDROGEN INJECTION TEST

平均化 = 20

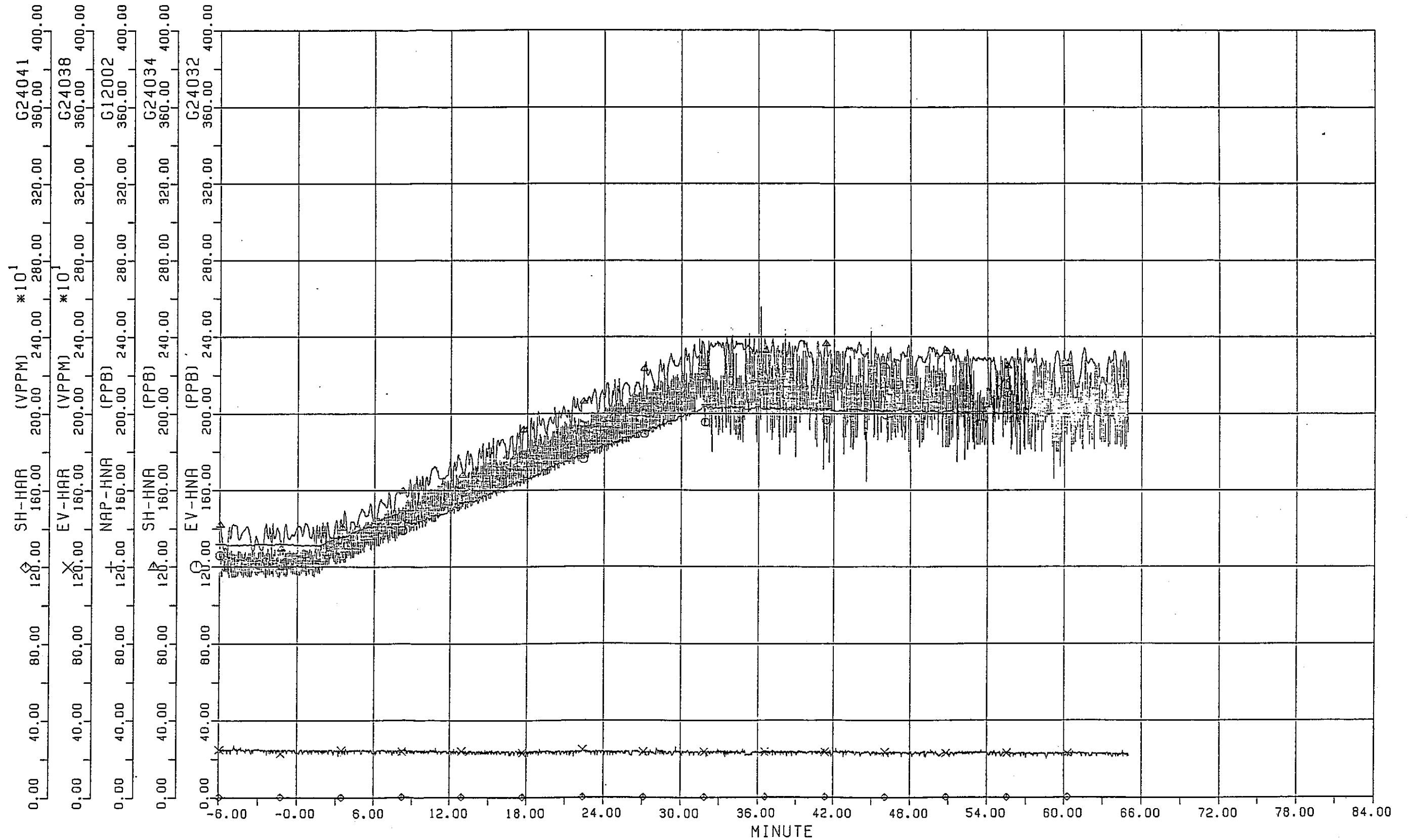


NATEMP= 351.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 12 NICHI 19 ZI 01 FUN 54 BYO RUN-945
 SAMPLING PERIOD 2.00

CASE C946 HYDROGEN INJECTION TES

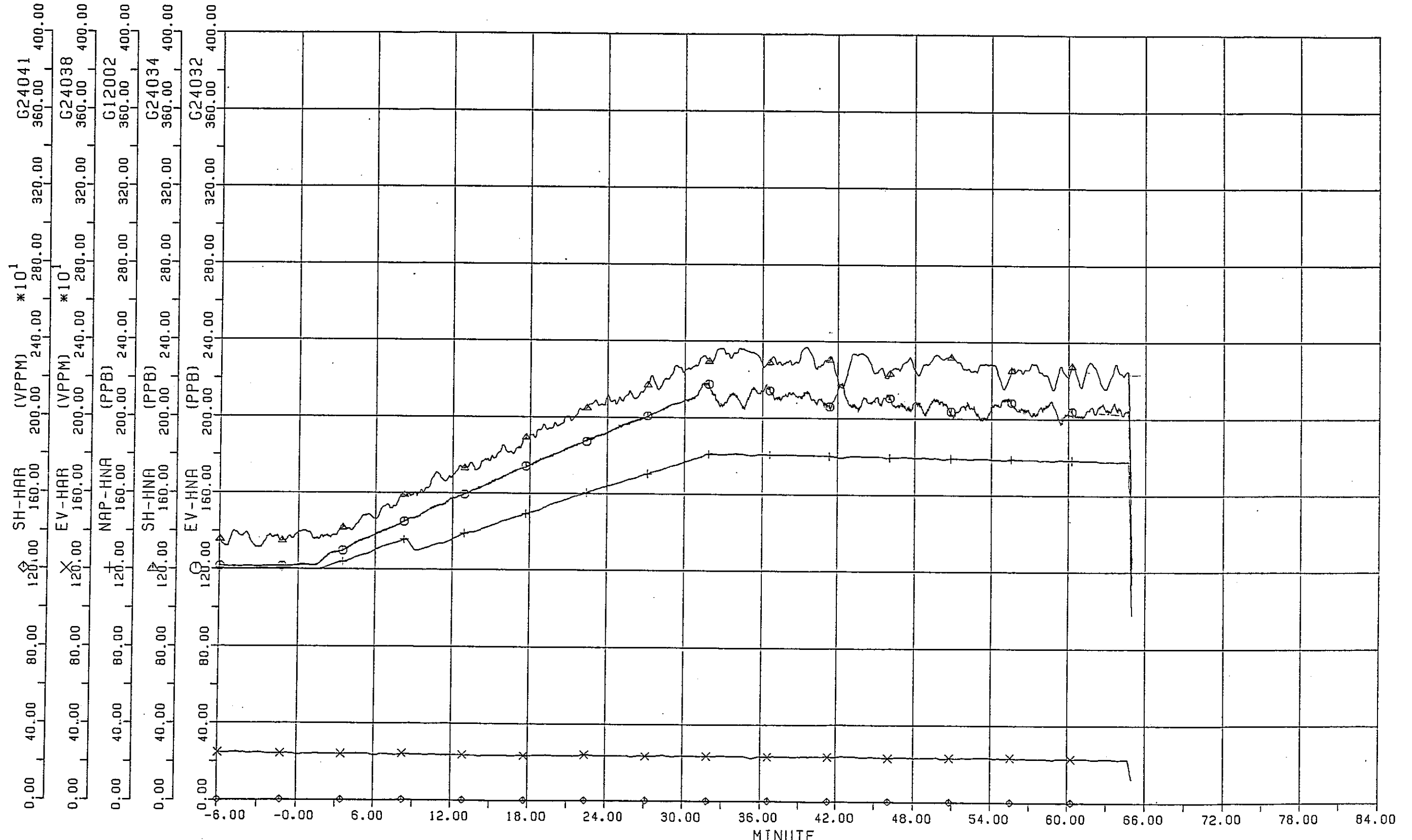


NATEMP= 351.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 12 NICHI 19 ZI 01 FUN 54 BYO RUN-945
SAMPLING PERIOD 2.00
CASE C946 HYDROGEN INJECTION TEST

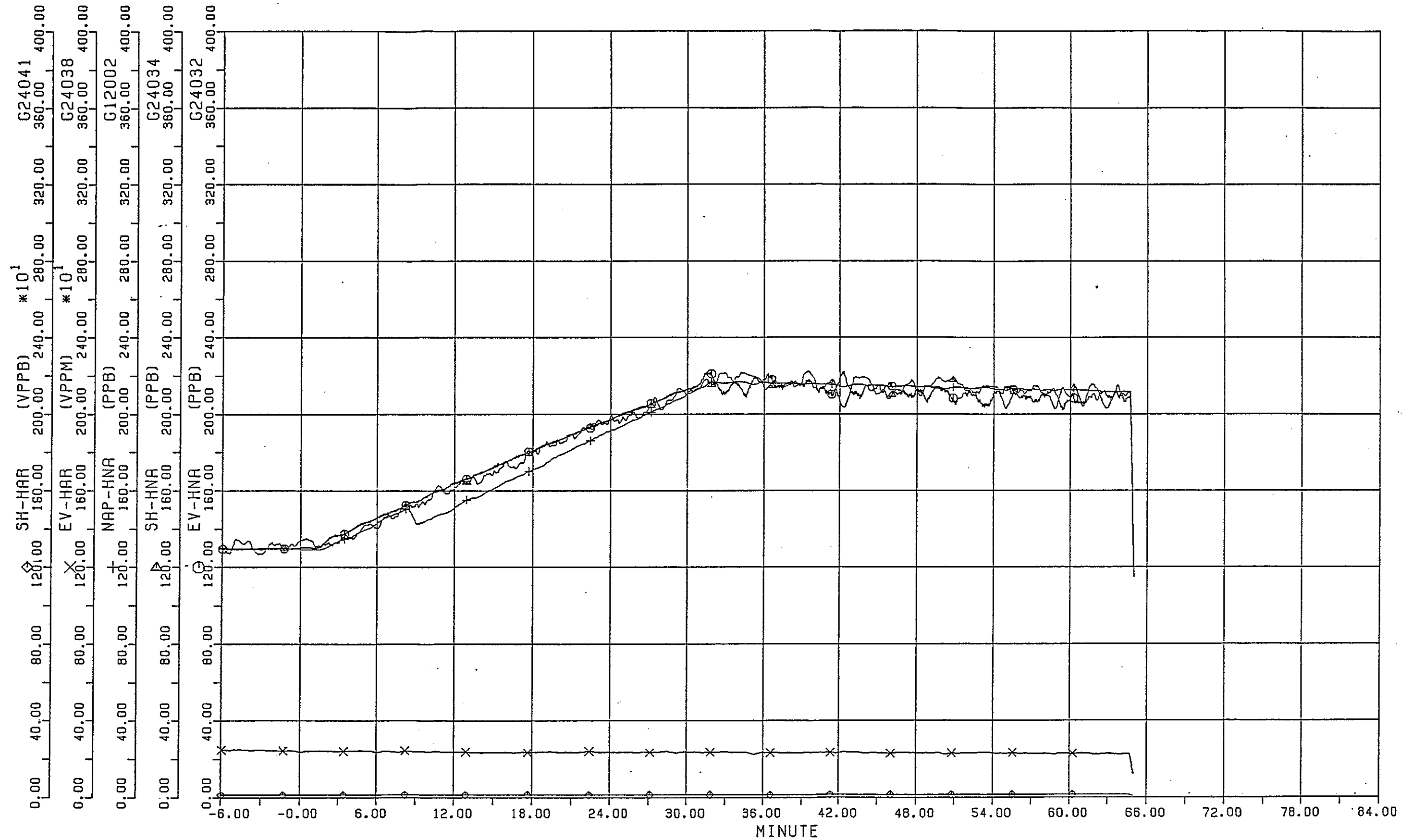


NATEMP= 352.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 12 NICHI 19 ZI 01 FUN 54 BYO RUN-945
SAMPLING PERIOD 2.00
CASE C947 HYDROGEN INJECTION TES

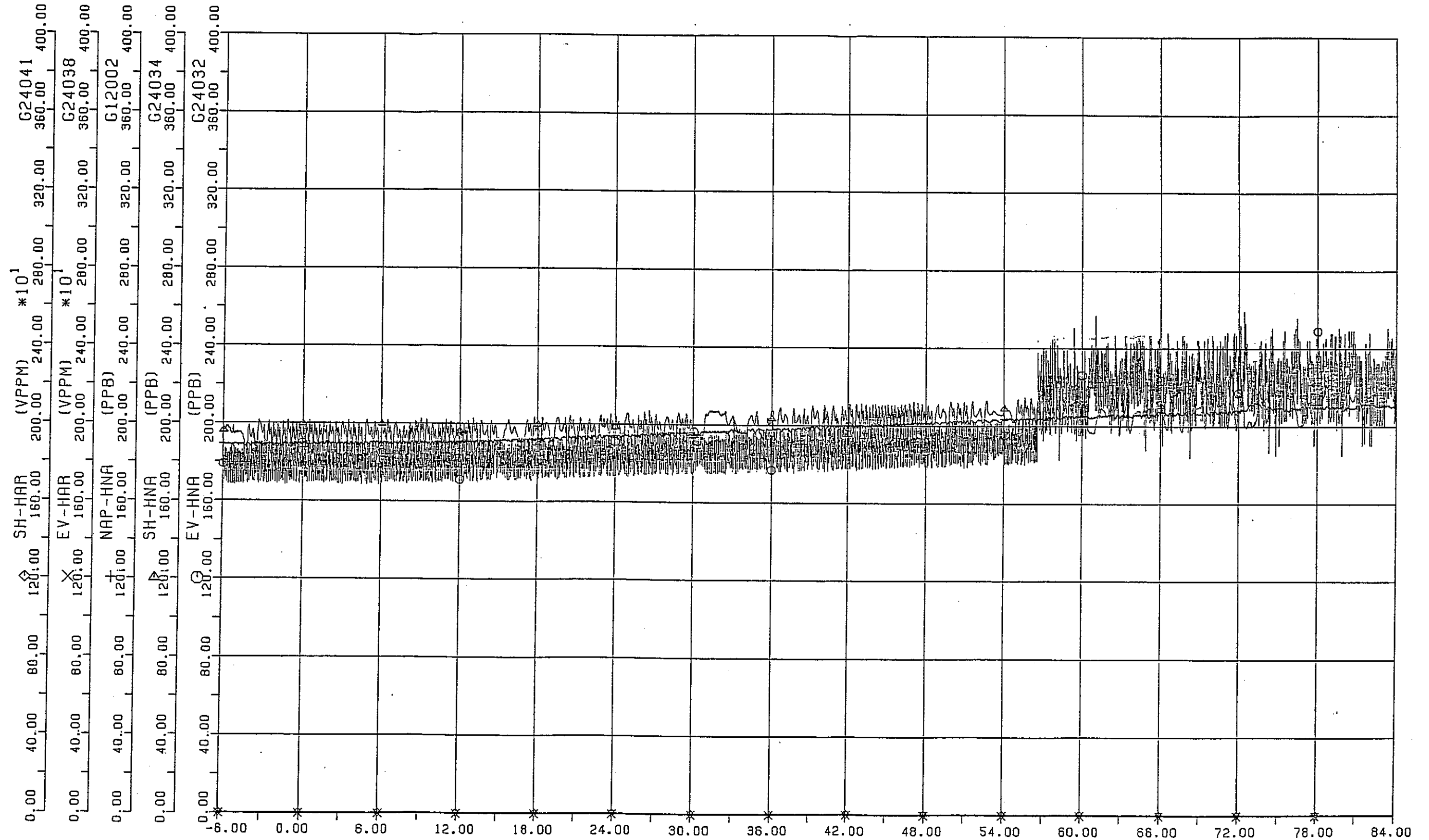
平均化 = 20



NATEMP= 352.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 12 NICH 19 ZI 01 FUN 54 BYO RUN-945
SAMPLING PERIOD 2.00
CASE C947 HYDROGEN INJECTION TES

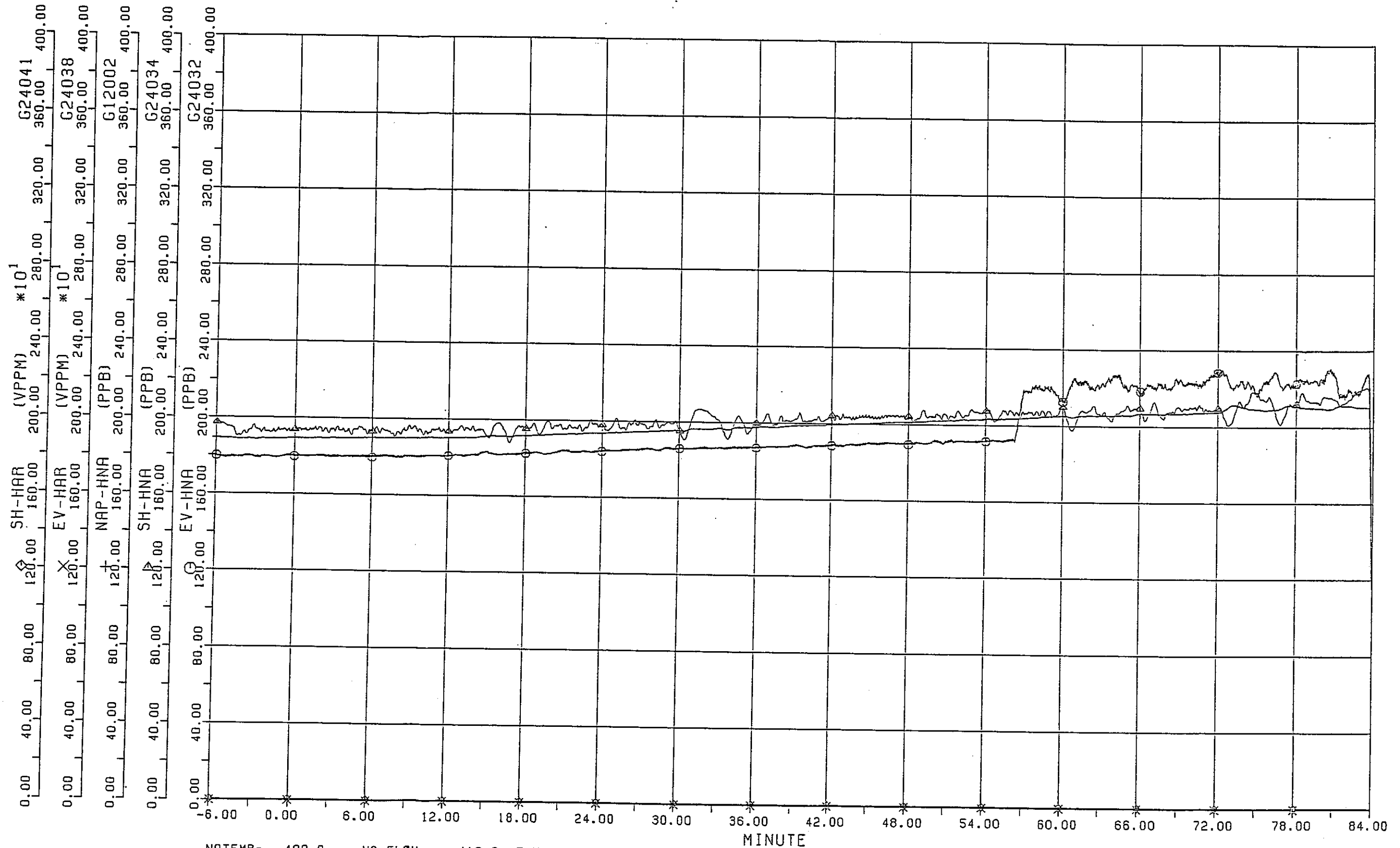


NATEMP= 352.0 NR FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 12 NICHI 19 ZI 01 FUN 54 BYO RUN-945
SAMPLING PERIOD 2.00
CASE C947 HYDROGEN INJECTION TES



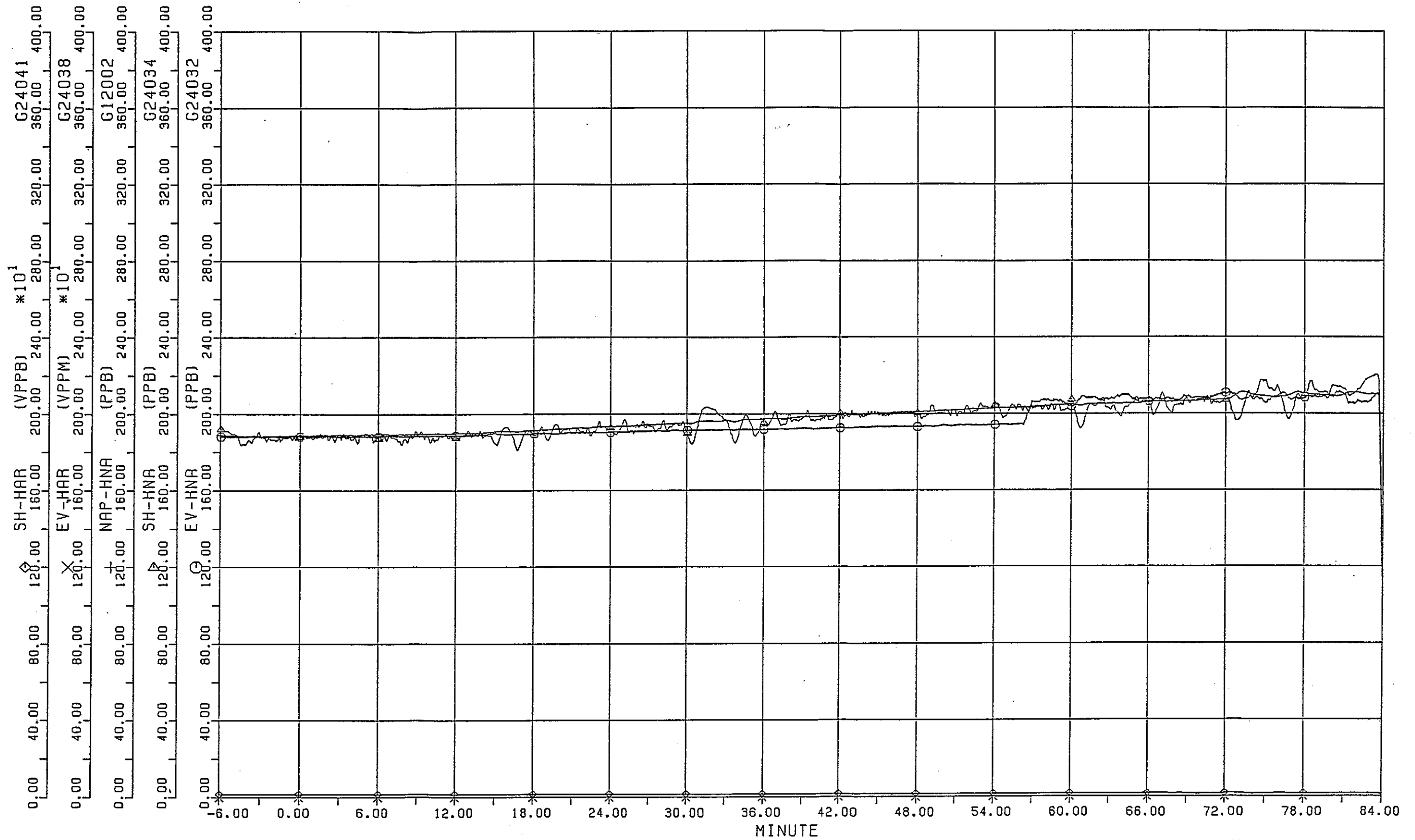
NATEMP= 400.0 NA FLOW = 410.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 14 NICHI 09 ZI 18 FUN 59 BYO RUN-948
SAMPLING PERIOD 2.00
CASE C948 HYDROGEN INJECTION TES

平均化 = 20

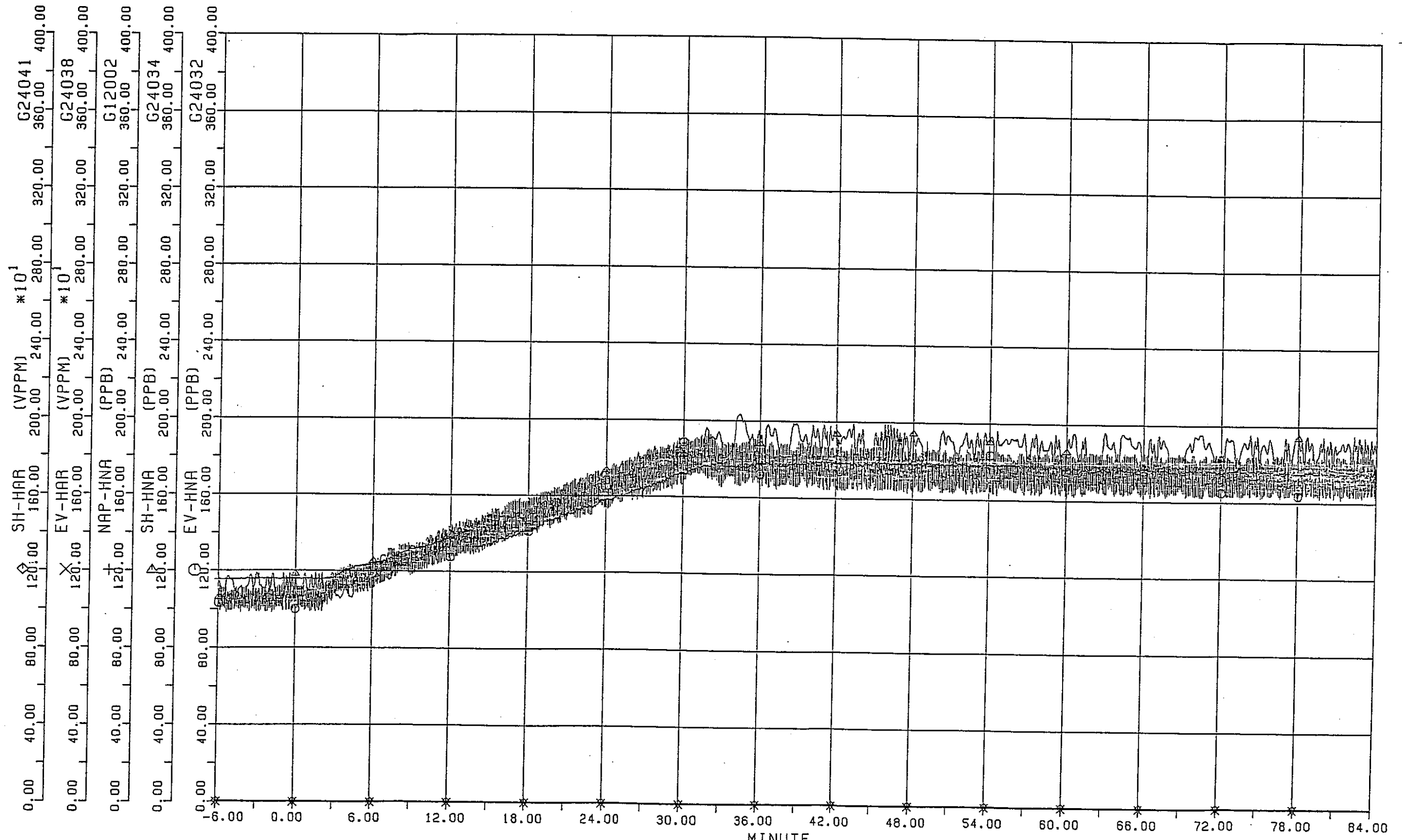


NATEMP= 400.0 NA FLOW = 410.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 14 NICH I 09 ZI 18 FUN 59 BY0 RUN-948
 SAMPLING PERIOD 2.00

CASE C948 HYDROGEN INJECTION TES



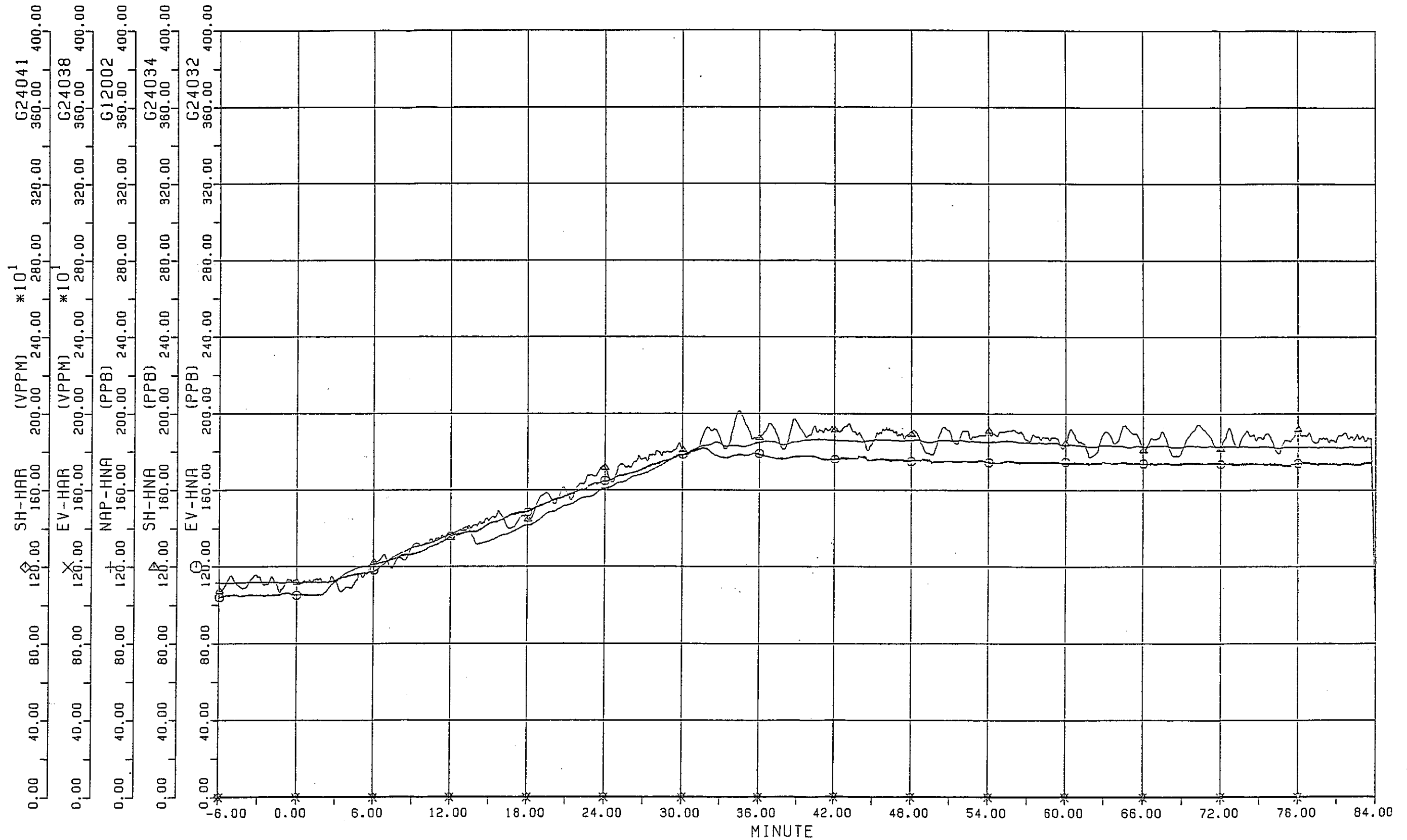
NATEMP= 400.0 NA FLOW = 410.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 14 NICH 09 ZI 18 FUN 59 BYO RUN-948
SAMPLING PERIOD 2.00
CASE C948 HYDROGEN INJECTION TES



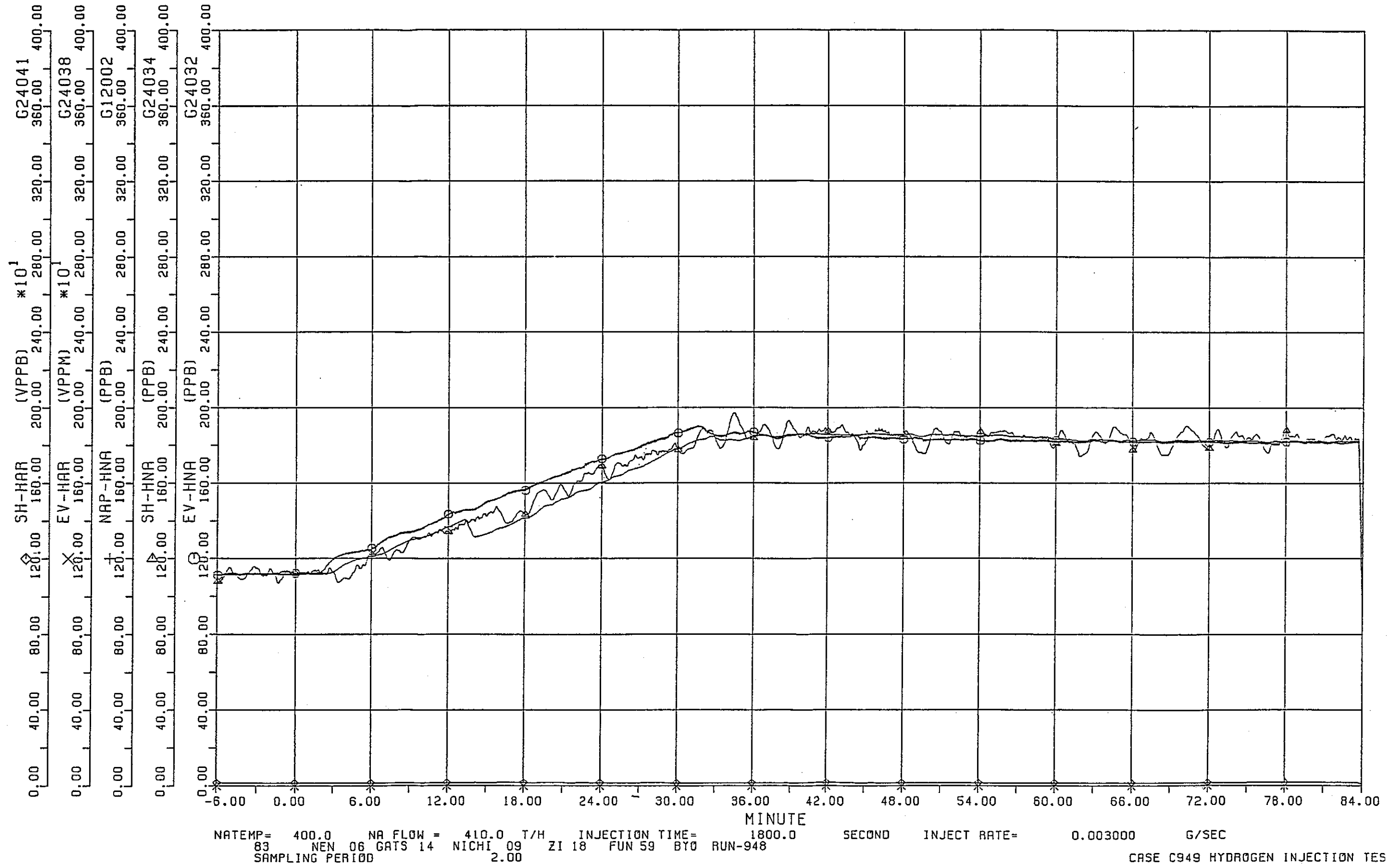
NATEMP= 400.0 NA FLOW = 410.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 14 NICHI 09 ZI 18 FUN 59 BYO RUN-948
SAMPLING PERIOD 2.00

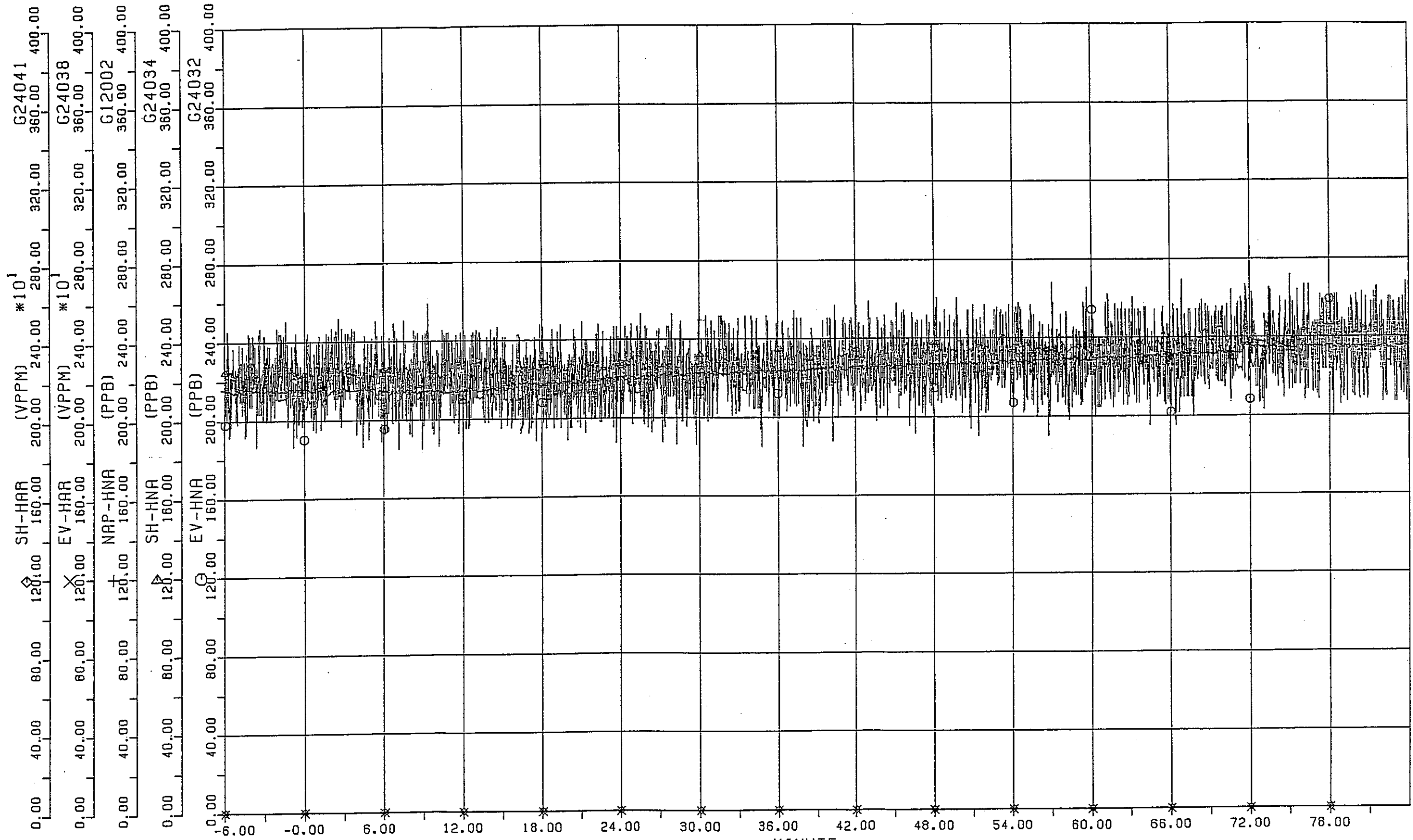
CASE C949 HYDROGEN INJECTION TEST

平均化 = 20



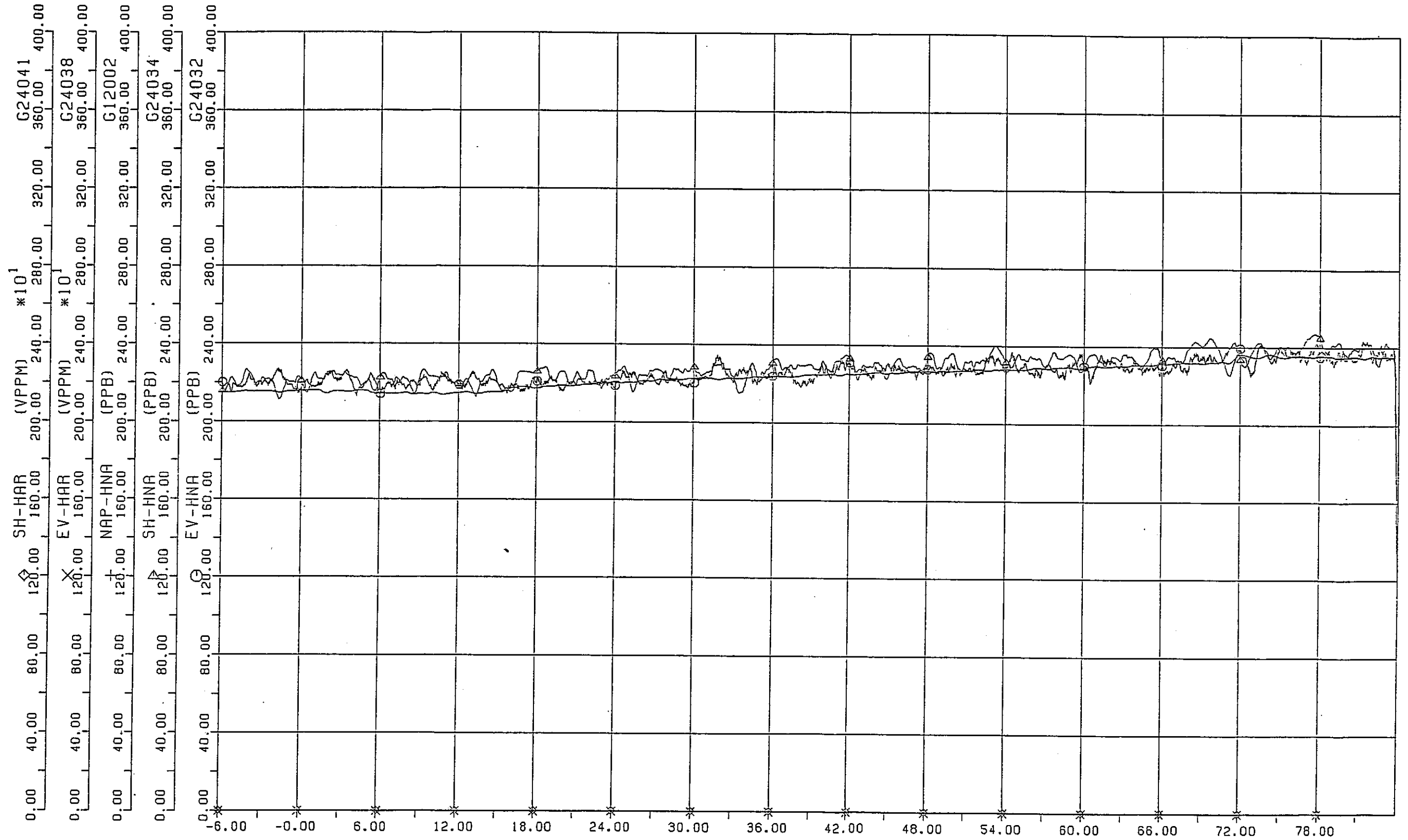
NATEMP= 400.0 NA FLOW = 410.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEM 06 GATS 14 NICHI 09 ZI 18 FUN 59 BY0 RUN-948
 SAMPLING PERIOD 2.00
 CASE C949 HYDROGEN INJECTION TE





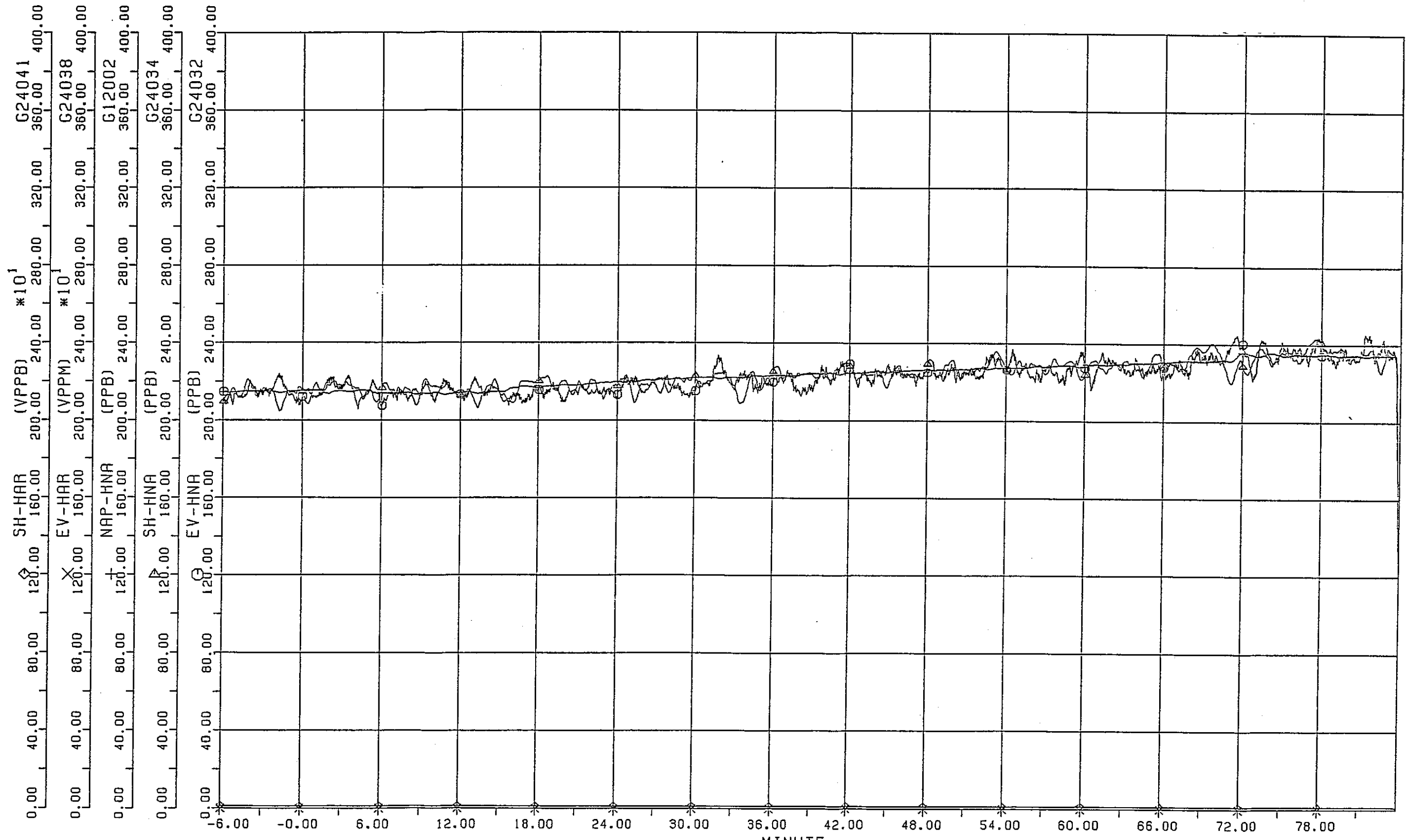
NATEMP= 399.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 14 NICH 19 ZI 54 FUN 55 BYO RUN-950
 SAMPLING PERIOD 2.00
 CASE C950 HYDROGEN INJECTION TEST

平均化 = 20



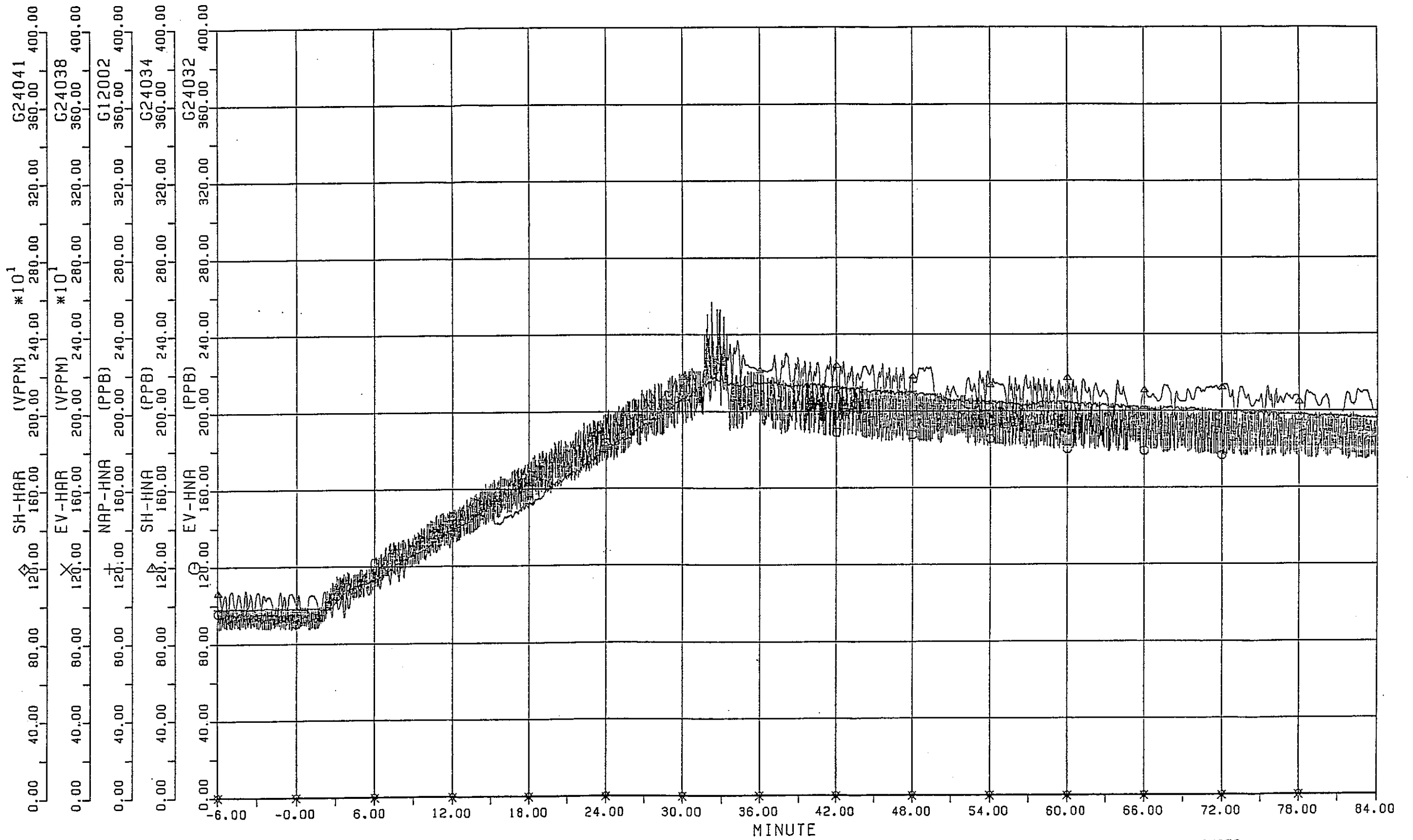
NATEMP= 399.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 14 NICHI 19 ZI 54 FUN 55 BYO RUN-950
 SAMPLING PERIOD 2.00

CASE C950 HYDROGEN INJECTION TEST



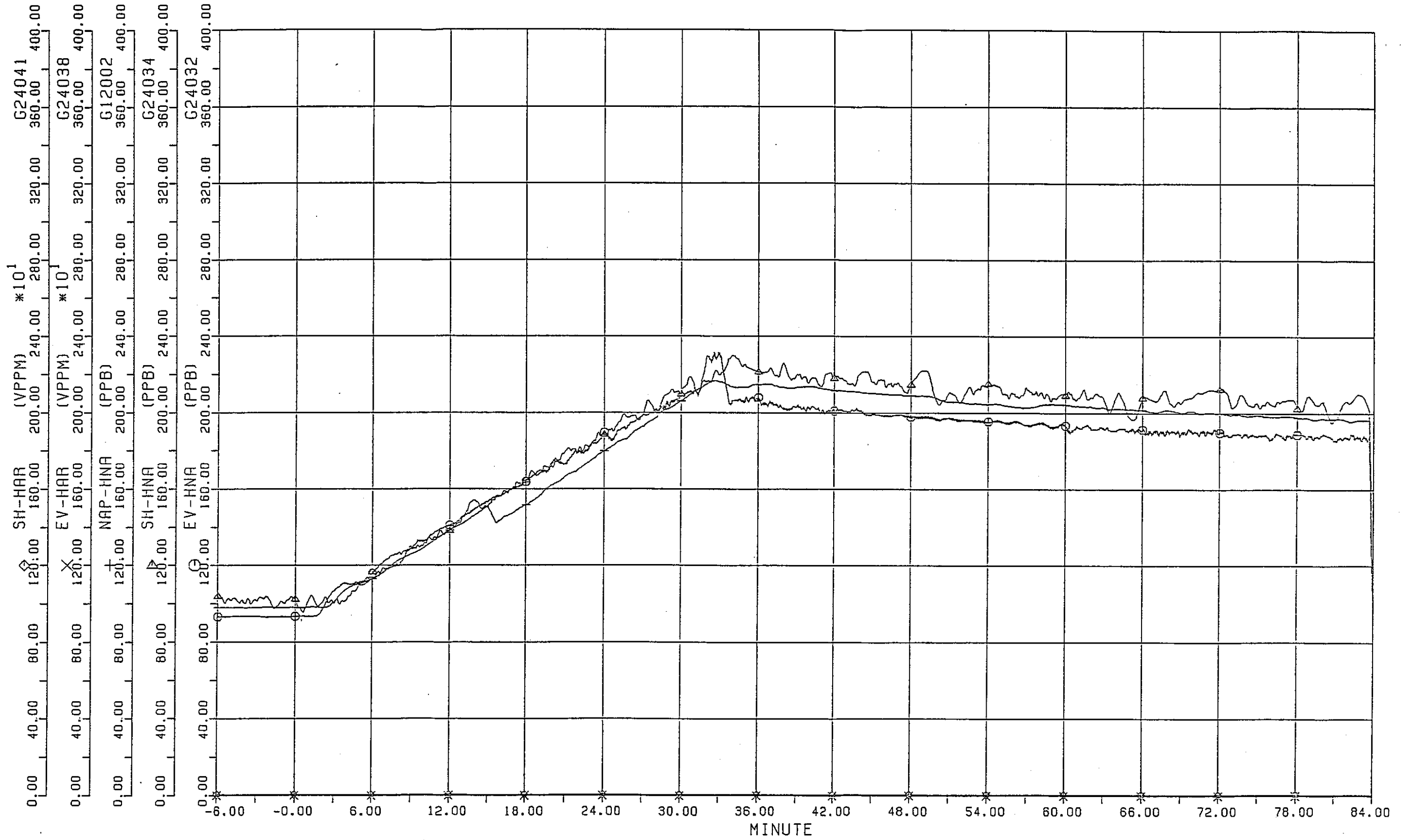
NATEMP= 399.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 14 NICHI 19 ZI 54 FUN 55 BYO RUN-950
SAMPLING PERIOD 2.00

CASE C950 HYDROGEN INJECTION TES



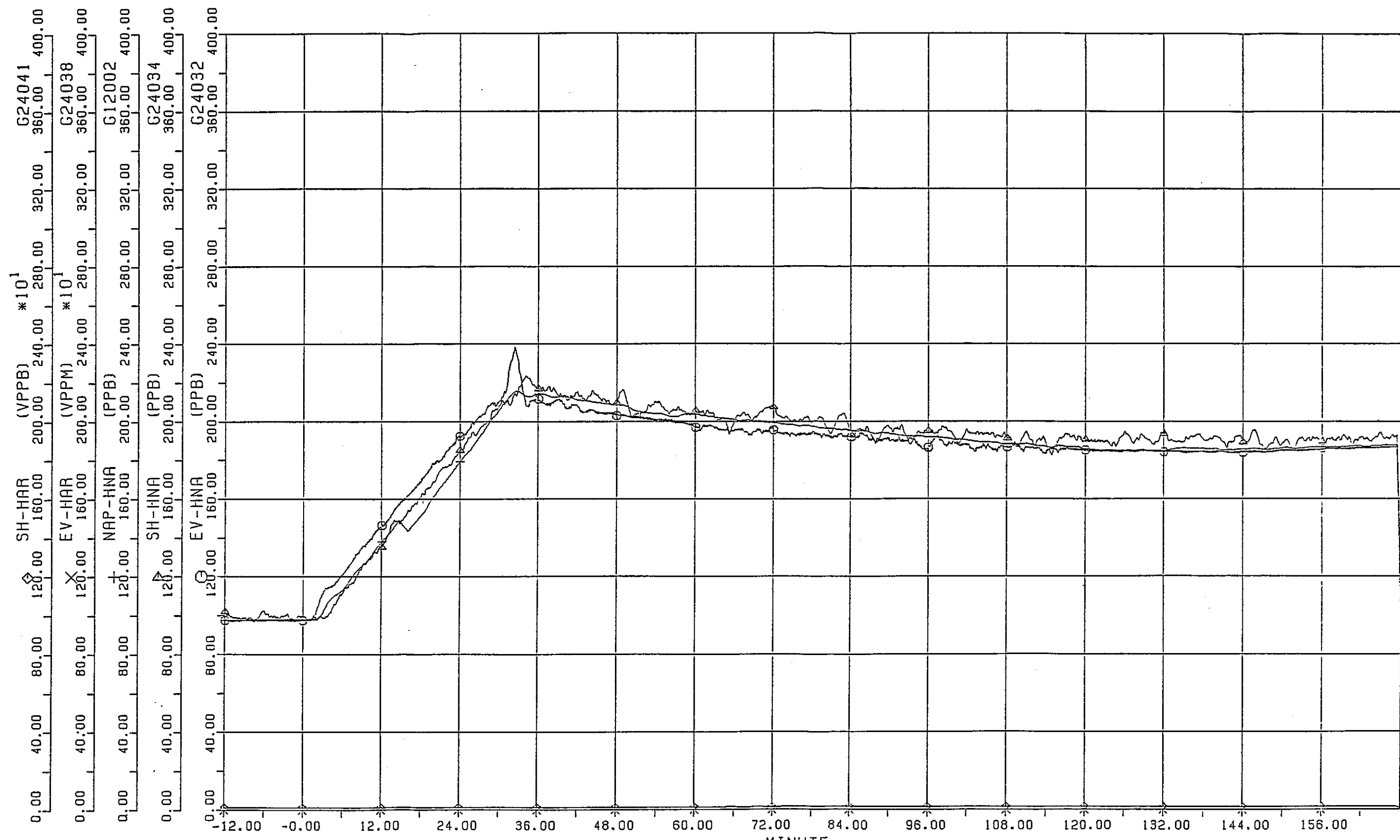
NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 06 GATS 17 NICHI 10 ZI 55 FUN 59 BYO RUN-952
 SAMPLING PERIOD 2.00
 CASE C952 HYDROGEN INJECTION TEST

平均化 = 20

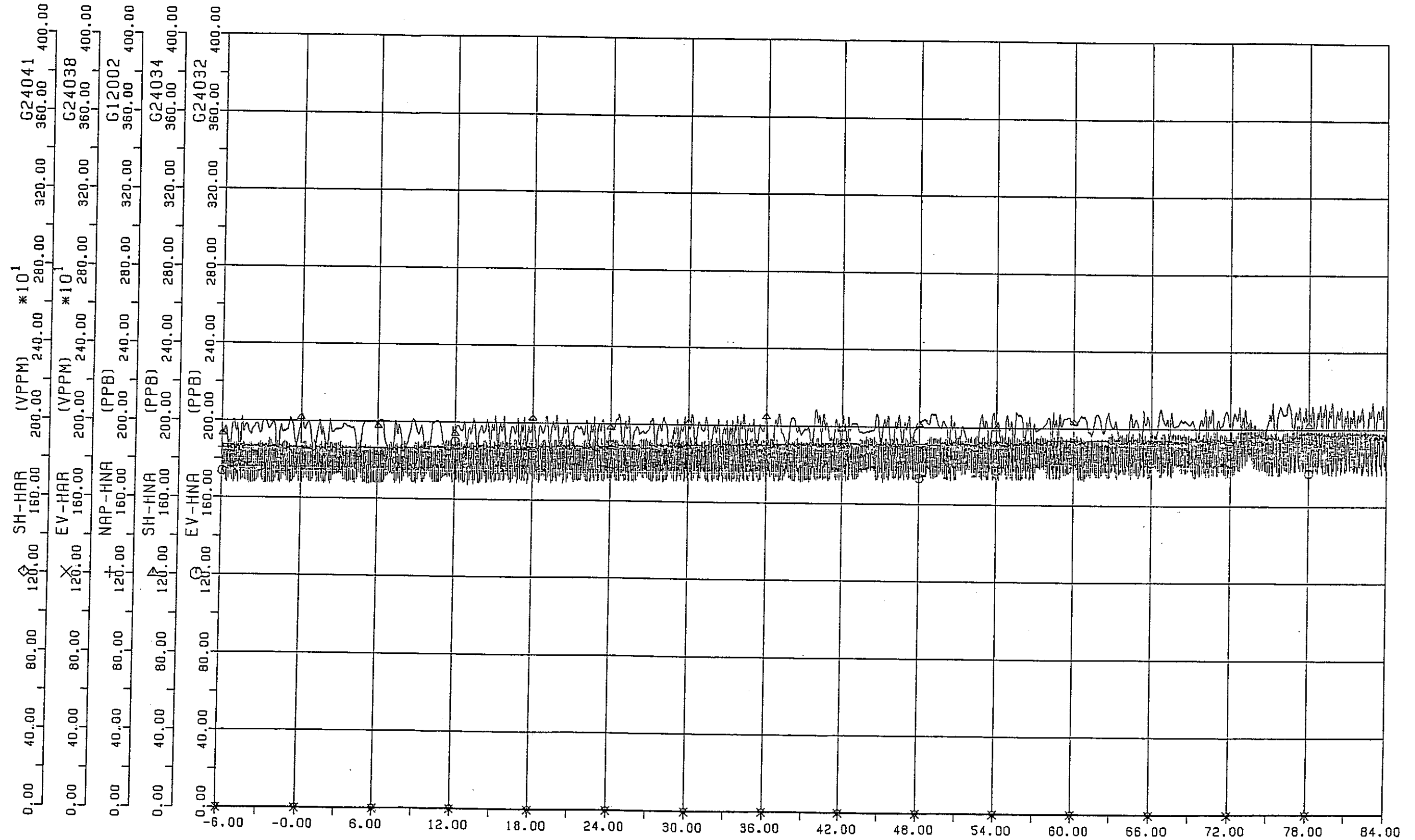


NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 06 GATS 17 NICHI 10 ZI 55 FUN 59 BYO RUN-952
 SAMPLING PERIOD 2.00

CASE C952 HYDROGEN INJECTION TEST



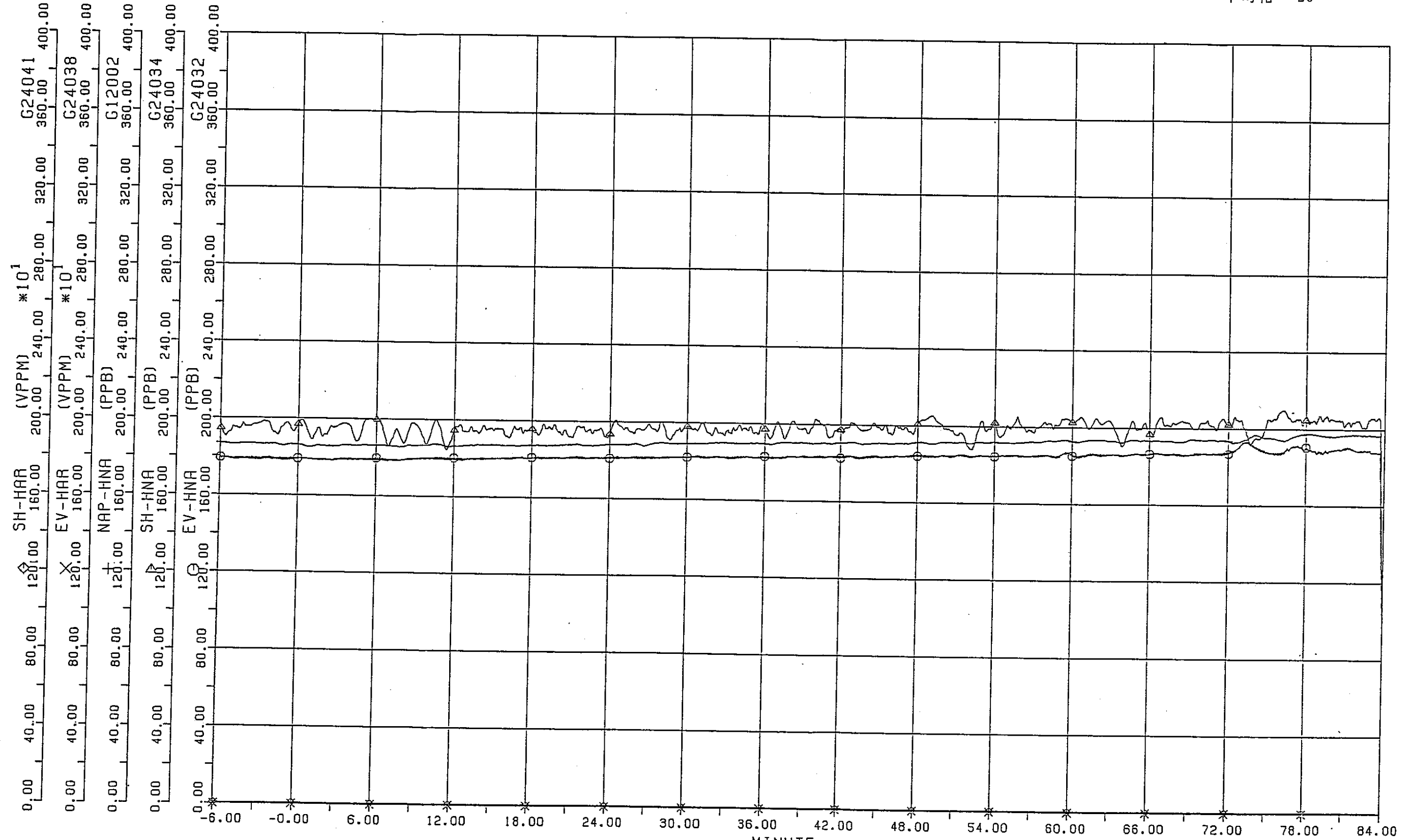
NATEMP= 468.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 06 GATS 17 NICHI 10 ZI 55 FUN 59 BYO RUN-952
 SAMPLING PERIOD 4.00
 CASE C952 HYDROGEN INJECTION TES



NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
83 NEN 06 GATS 17 NICHI 10 ZI 55 FUN 59 BYO RUN-952
SAMPLING PERIOD 2.00

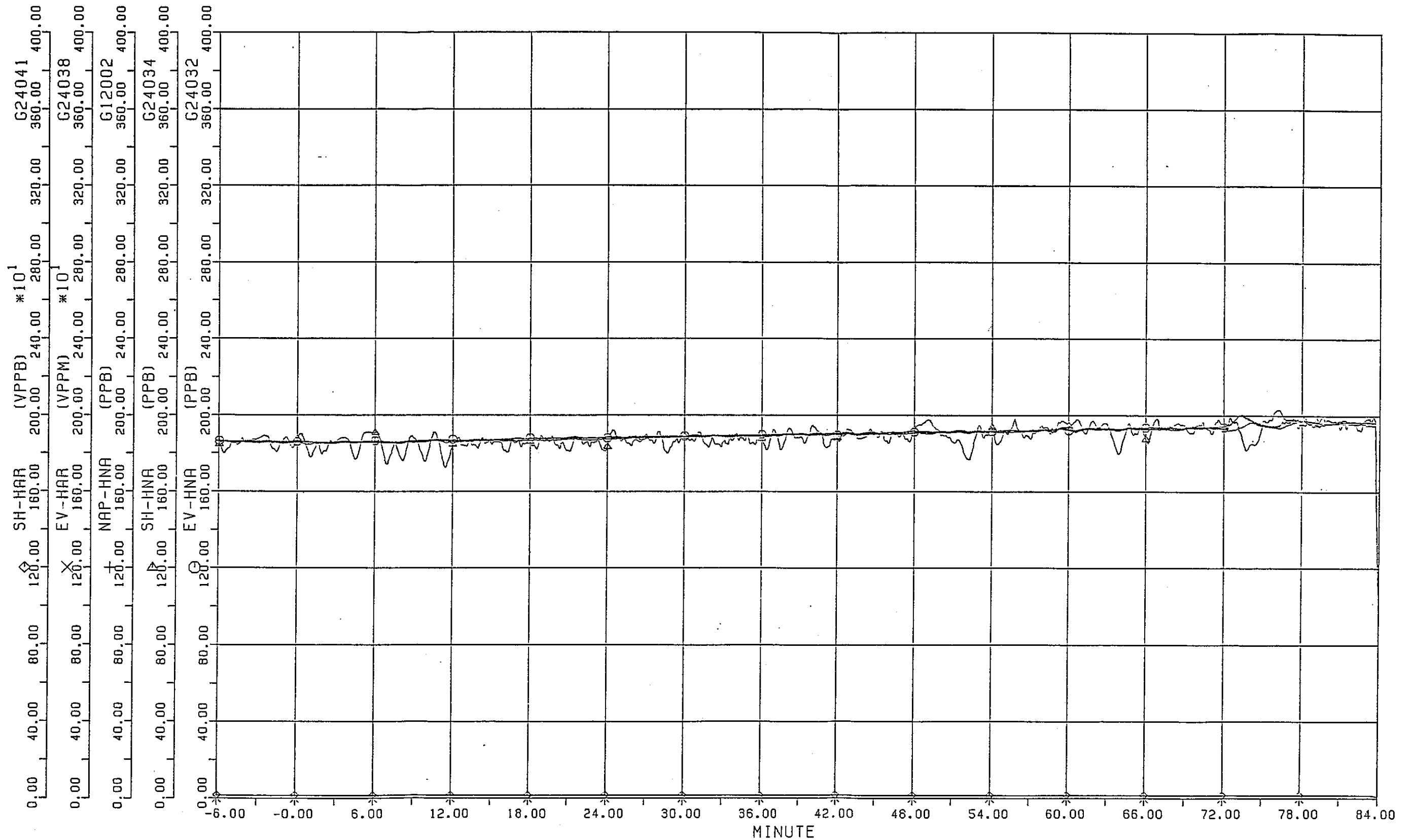
CASE C953 HYDROGEN INJECTION TES

平均化 = 20

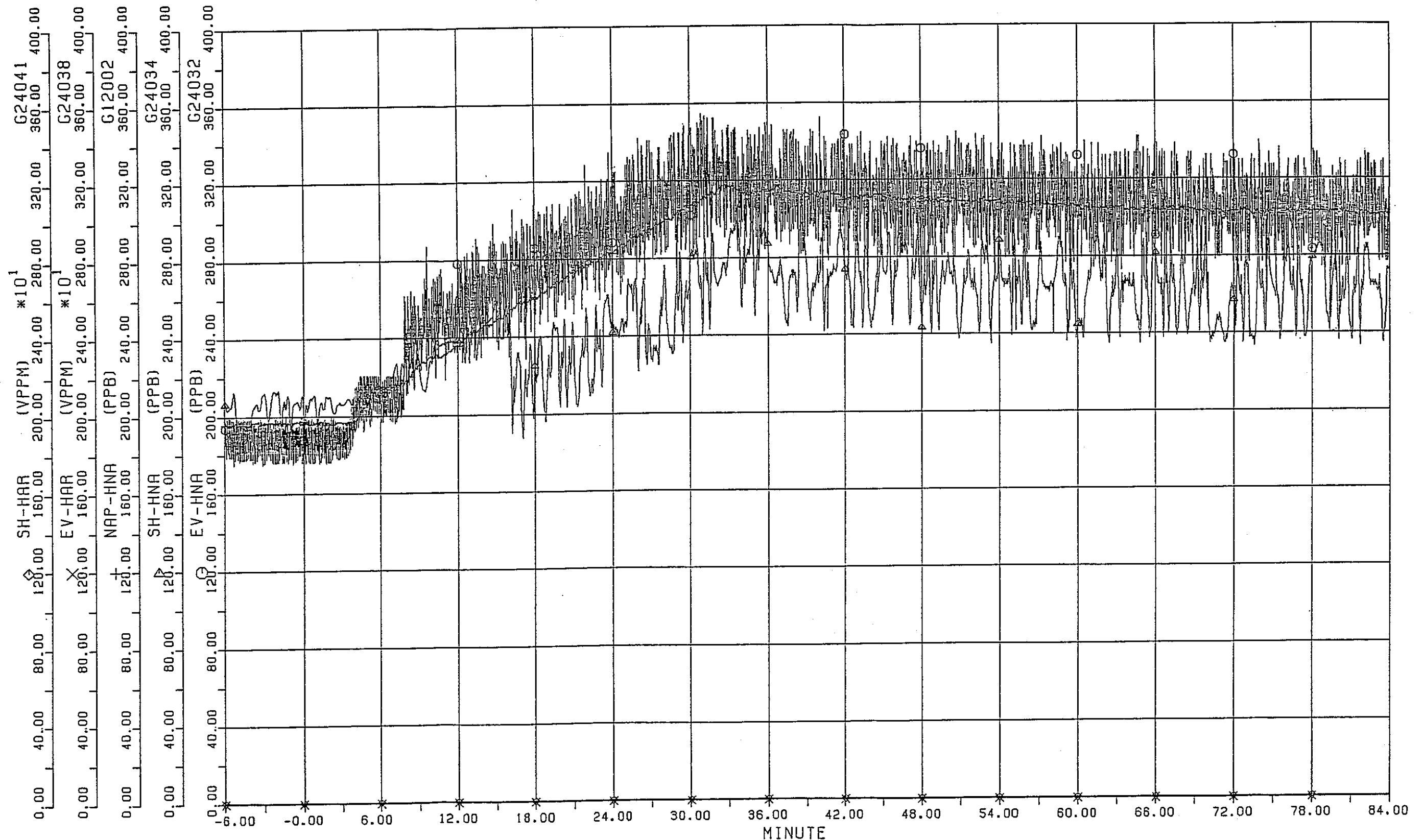


NATEMP= 467.0 NR FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 06 GATS 17 NICHI 10 ZI 55 FUN 59 BYO RUN-952
 SAMPLING PERIOD 2.00

CASE C953 HYDROGEN INJECTION TES

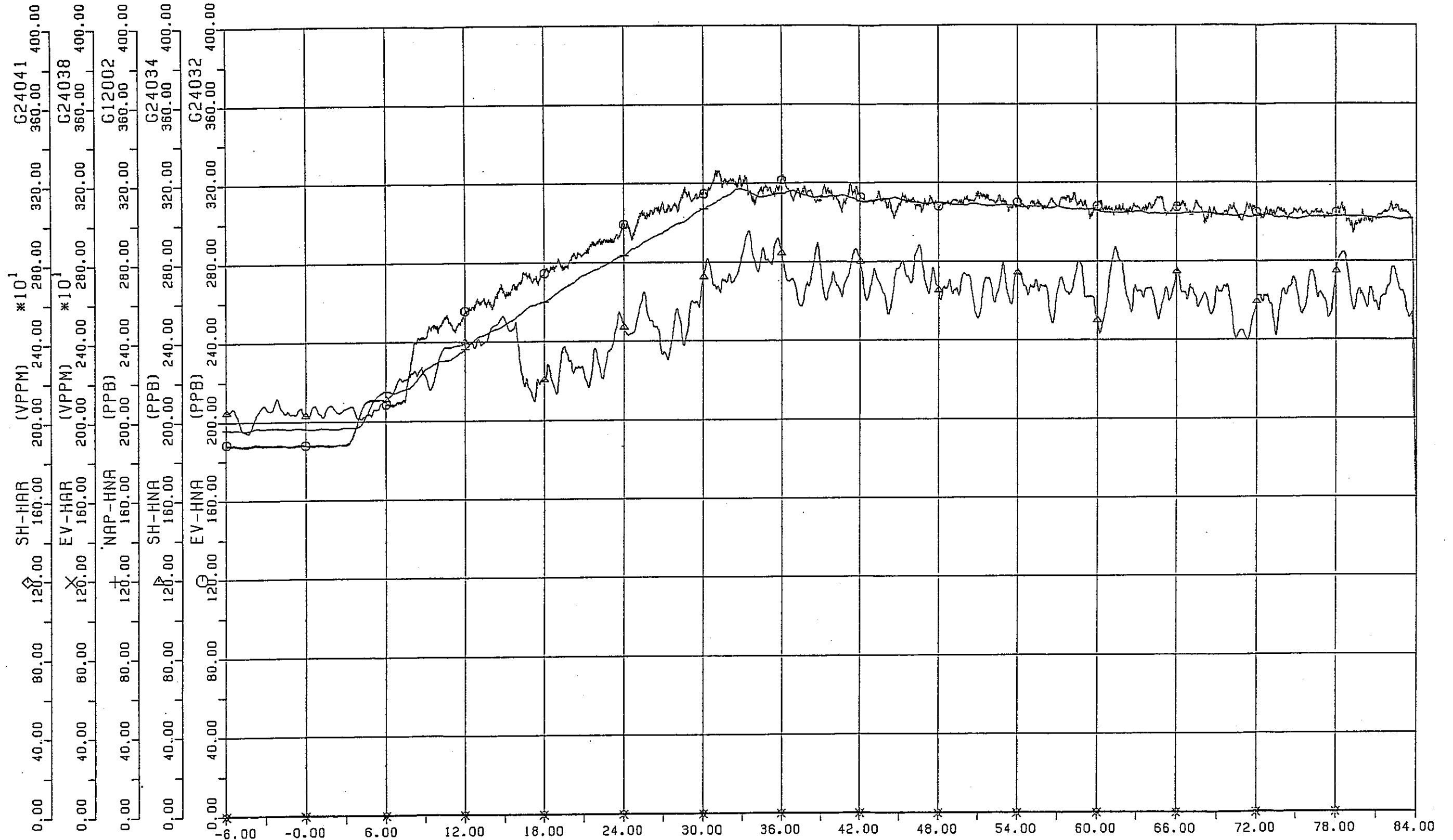


NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 06 GATS 17 NICHI 10 ZI 55 FUN 59 BY0 RUN-952
 SAMPLING PERIOD 2.00
 CASE C953 HYDROGEN INJECTION TE

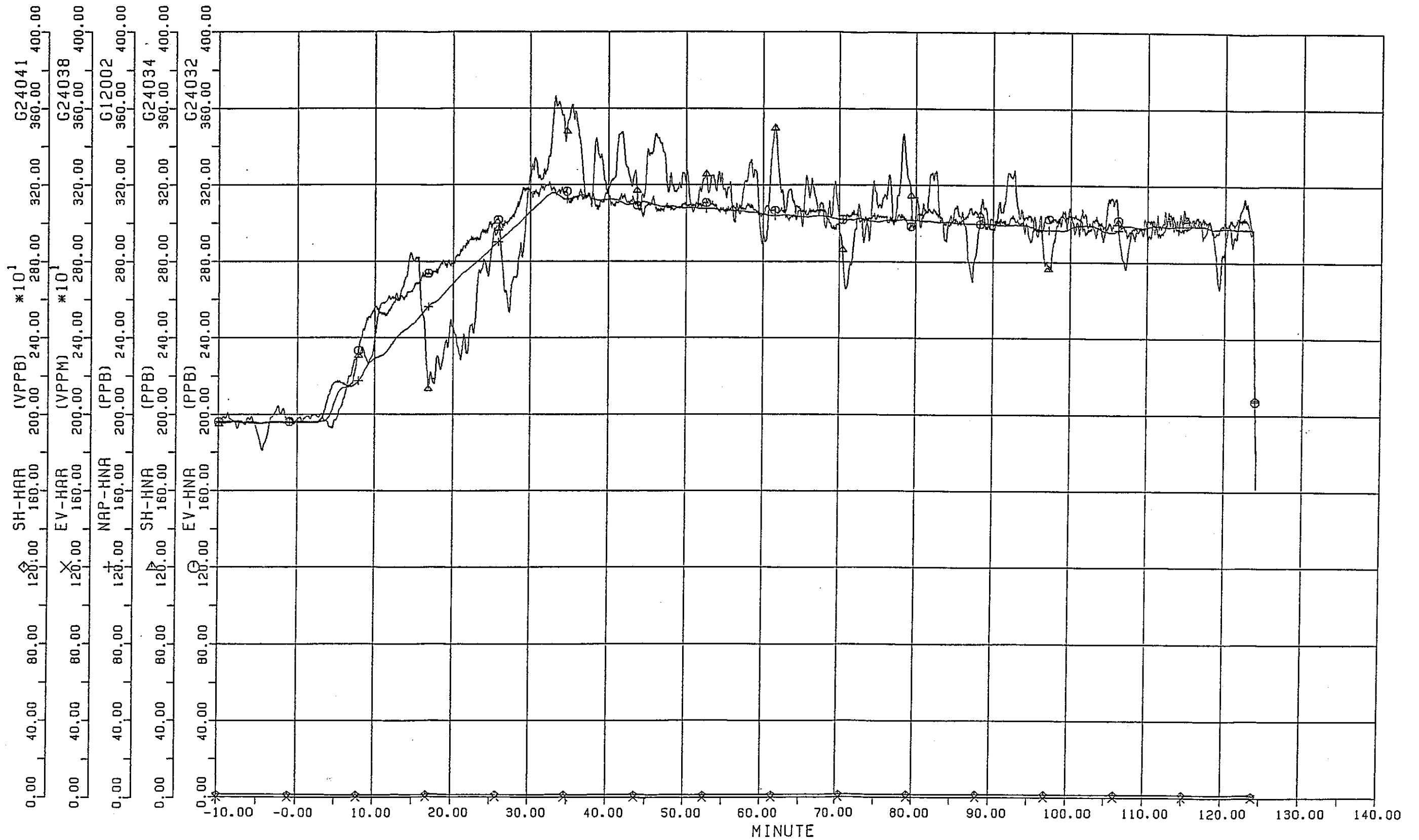


NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 17 NICHI 10 ZI 55 FUN 59 BYO RUN-952
SAMPLING PERIOD 2.00
CASE C954 HYDROGEN INJECTION TEST

平均化 = 20

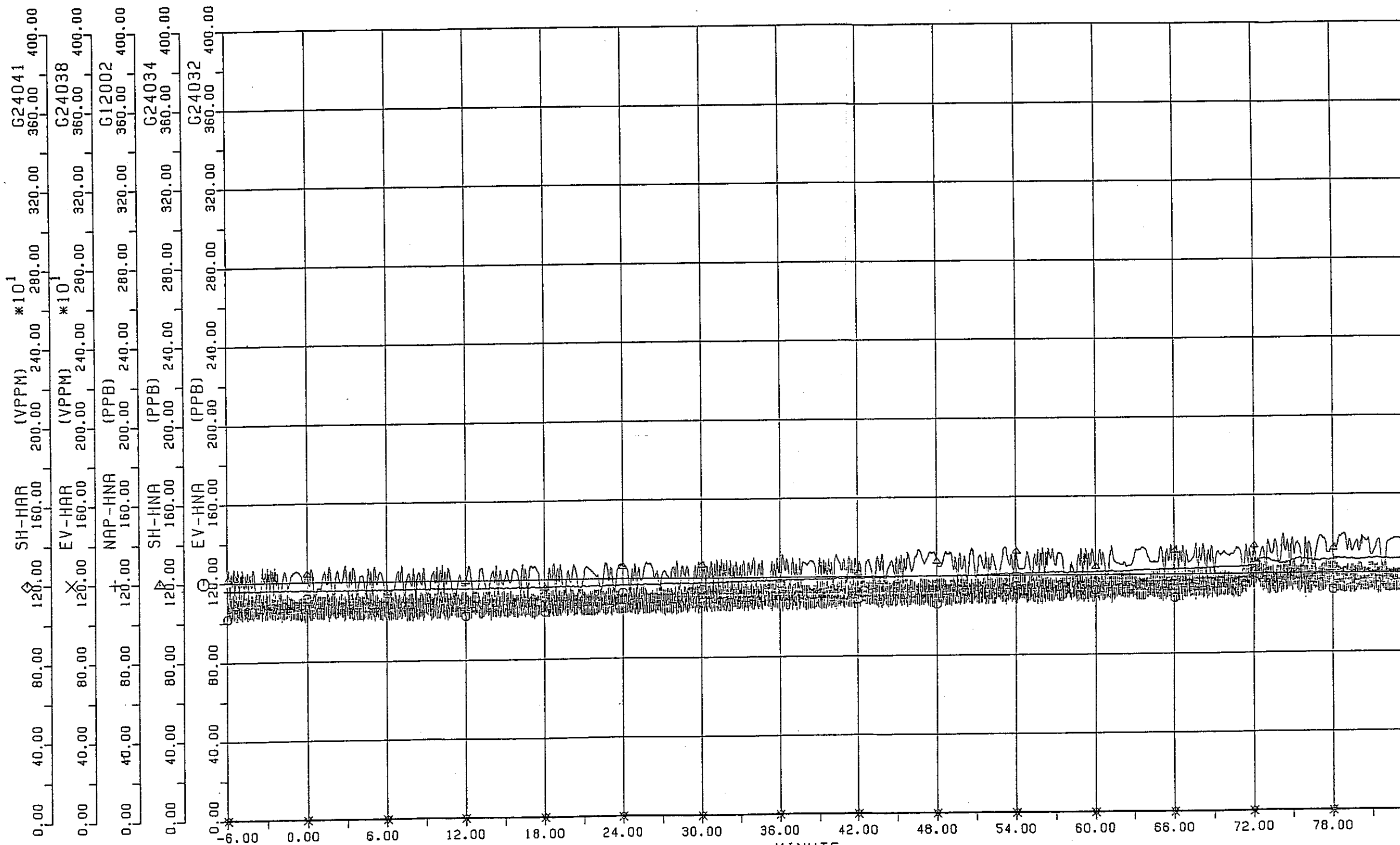


NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 06 GATS 17 NICHI 10 ZI 55 FUN 59 BYO RUN-952
 SAMPLING PERIOD 2.00
 CASE C954 HYDROGEN INJECTION TES



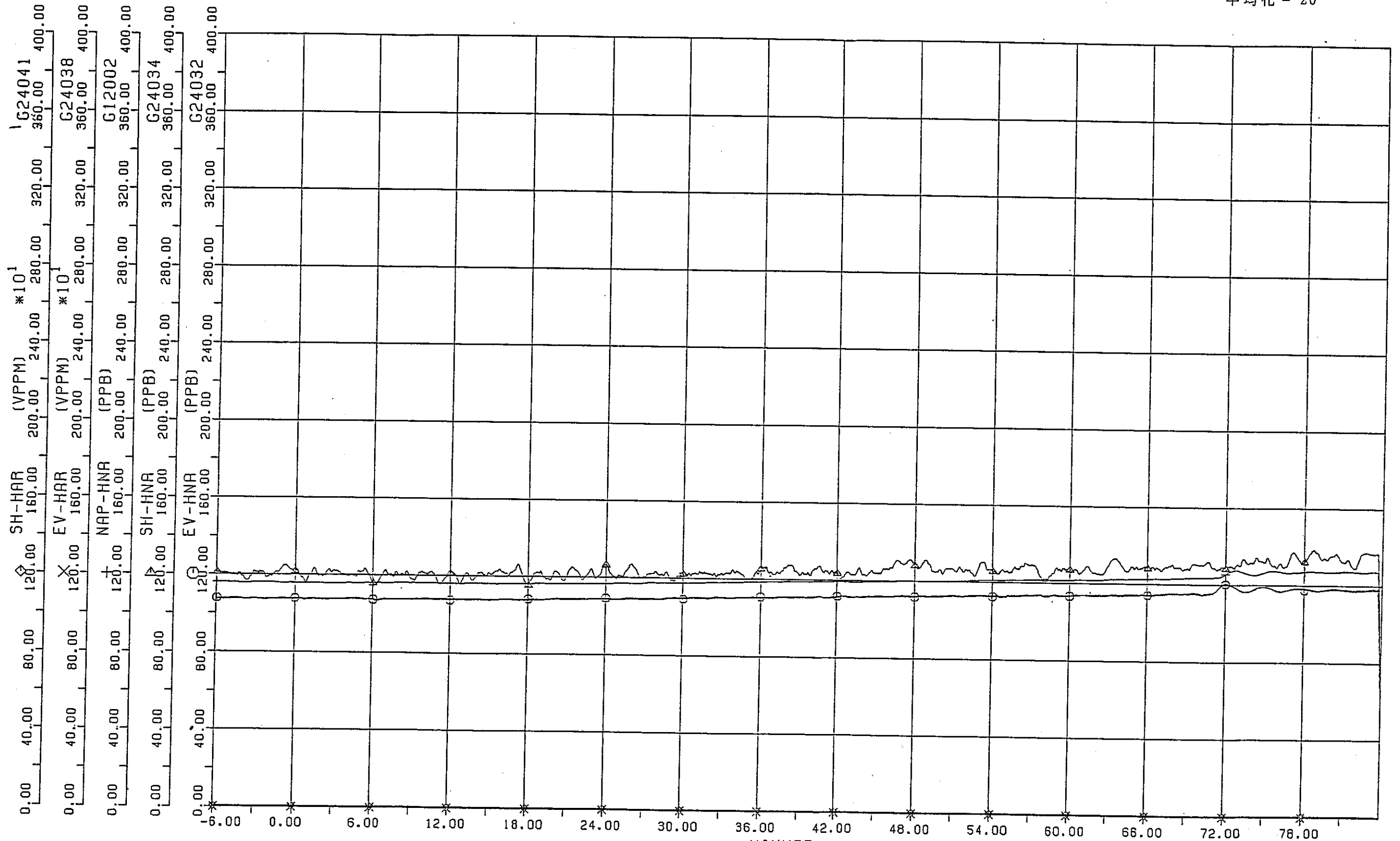
NATEMP= 467.0 NA FLOW = 400.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEM 06 GATS 17 NICHI 10 ZI 55 FUN 59 BYO RUN-952
SAMPLING PERIOD 4.00

CASE C954 HYDROGEN INJECTION TES



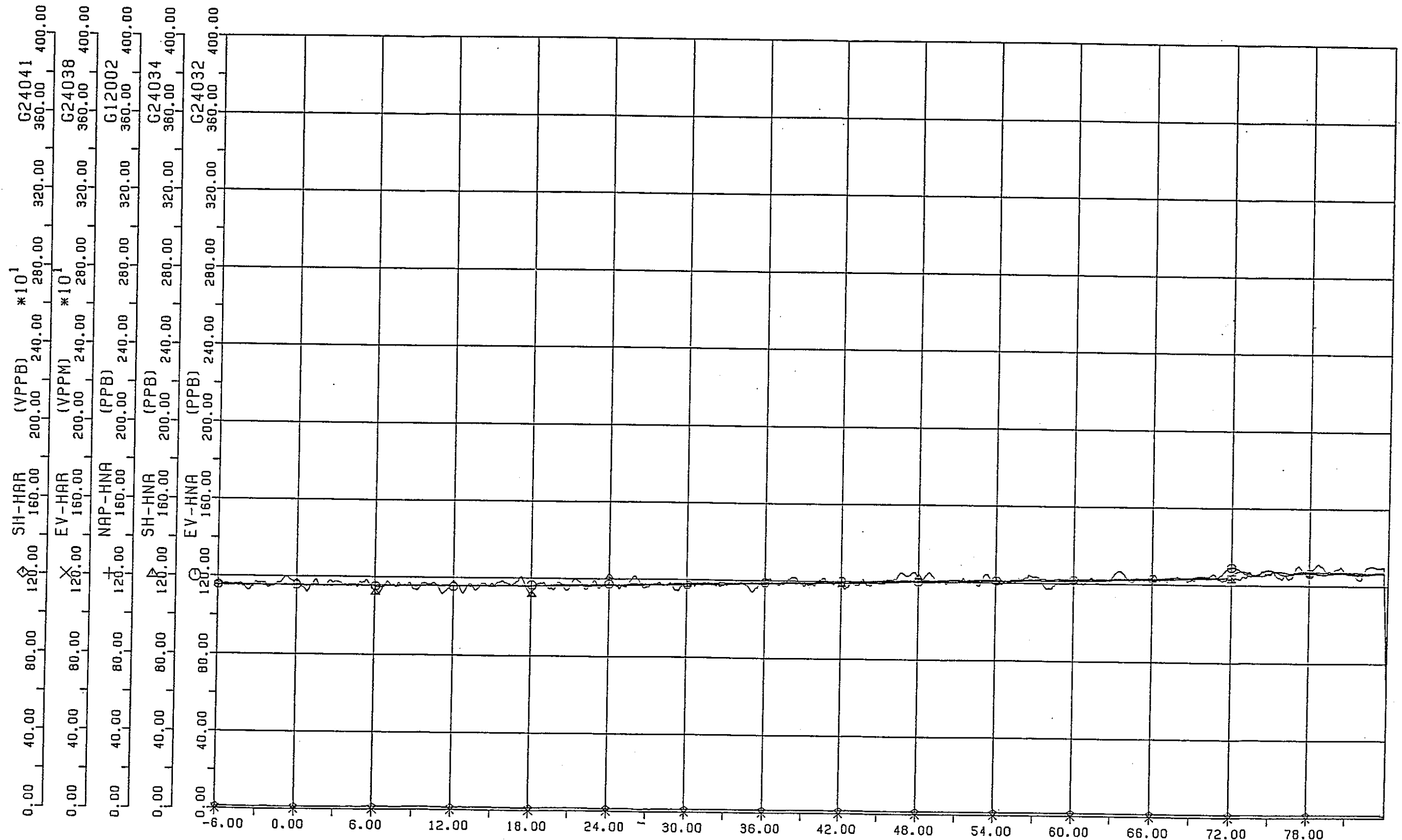
NATEMP= 470.0 NA FLOW = 600.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 06 GATS 18 NICHI 11 ZI 21 FUN 55 BYO RUN-955
 SAMPLING PERIOD 2.00
 CASE C955 HYDROGEN INJECTION TEST

平均化 = 20

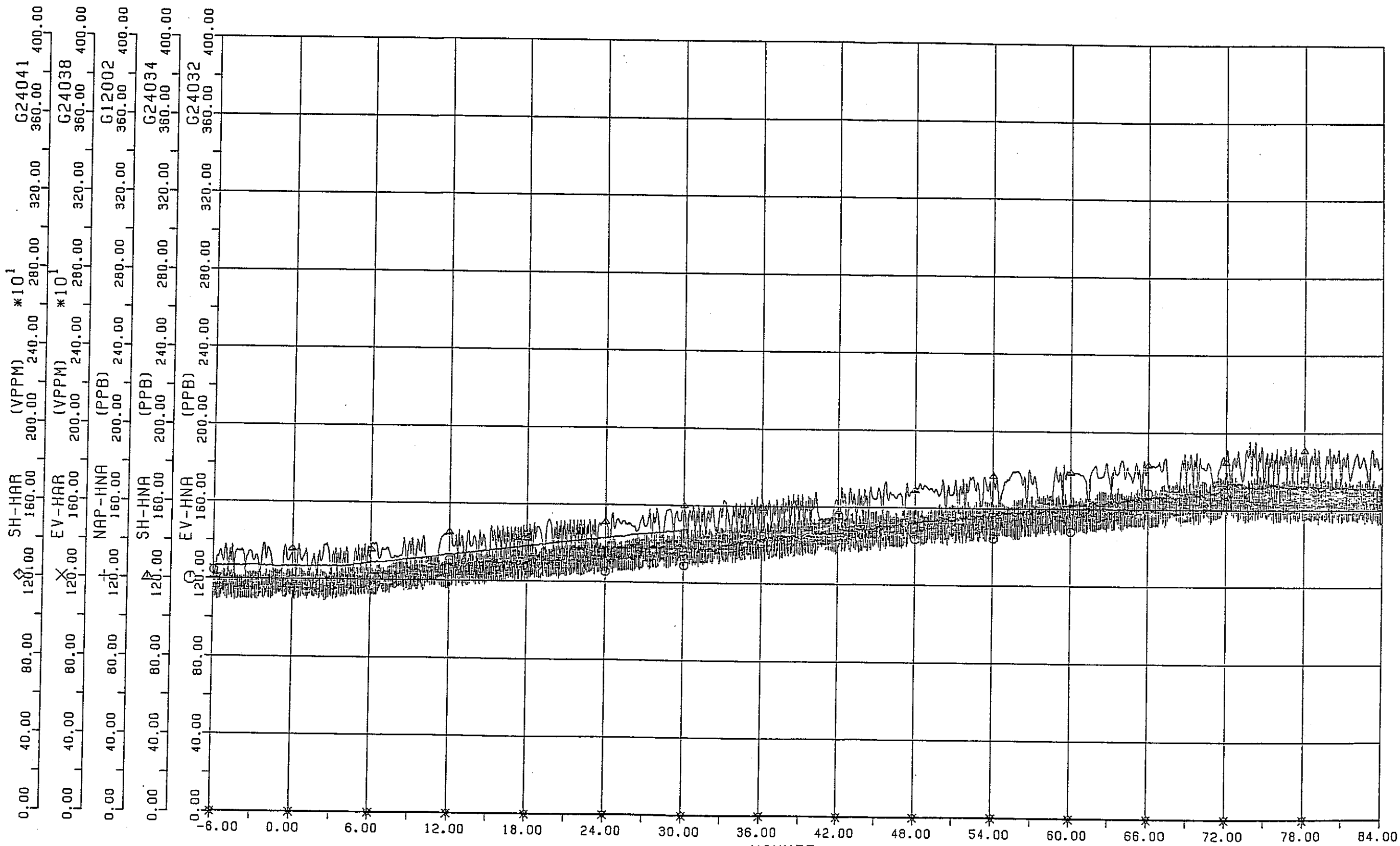


NATEMP= 470.0 NA FLOW = 600.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
 83 NEN 06 GATS 18 NICHII 11 ZI 21 FUN 55 BYO RUN-955
 SAMPLING PERIOD 2.00

CASE C955 HYDROGEN INJECTION TES



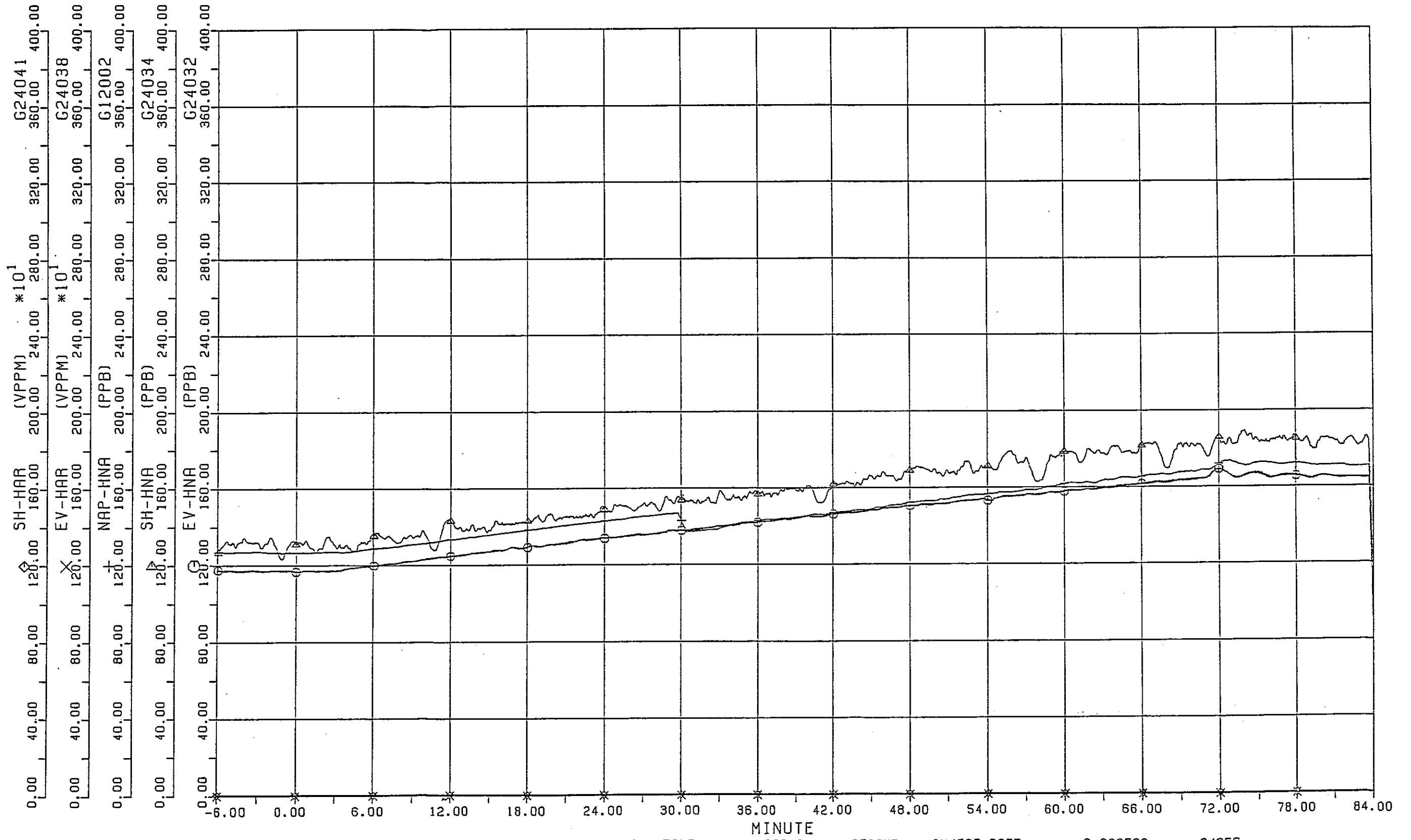
NATEMP= 470.0 NA FLOW = 600.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000100 G/SEC
83 NEN 06 GATS 18 NICH 11 ZI 21 FUN 55 BYO RUN-955
SAMPLING PERIOD 2.00
CASE C955 HYDROGEN INJECTION TES



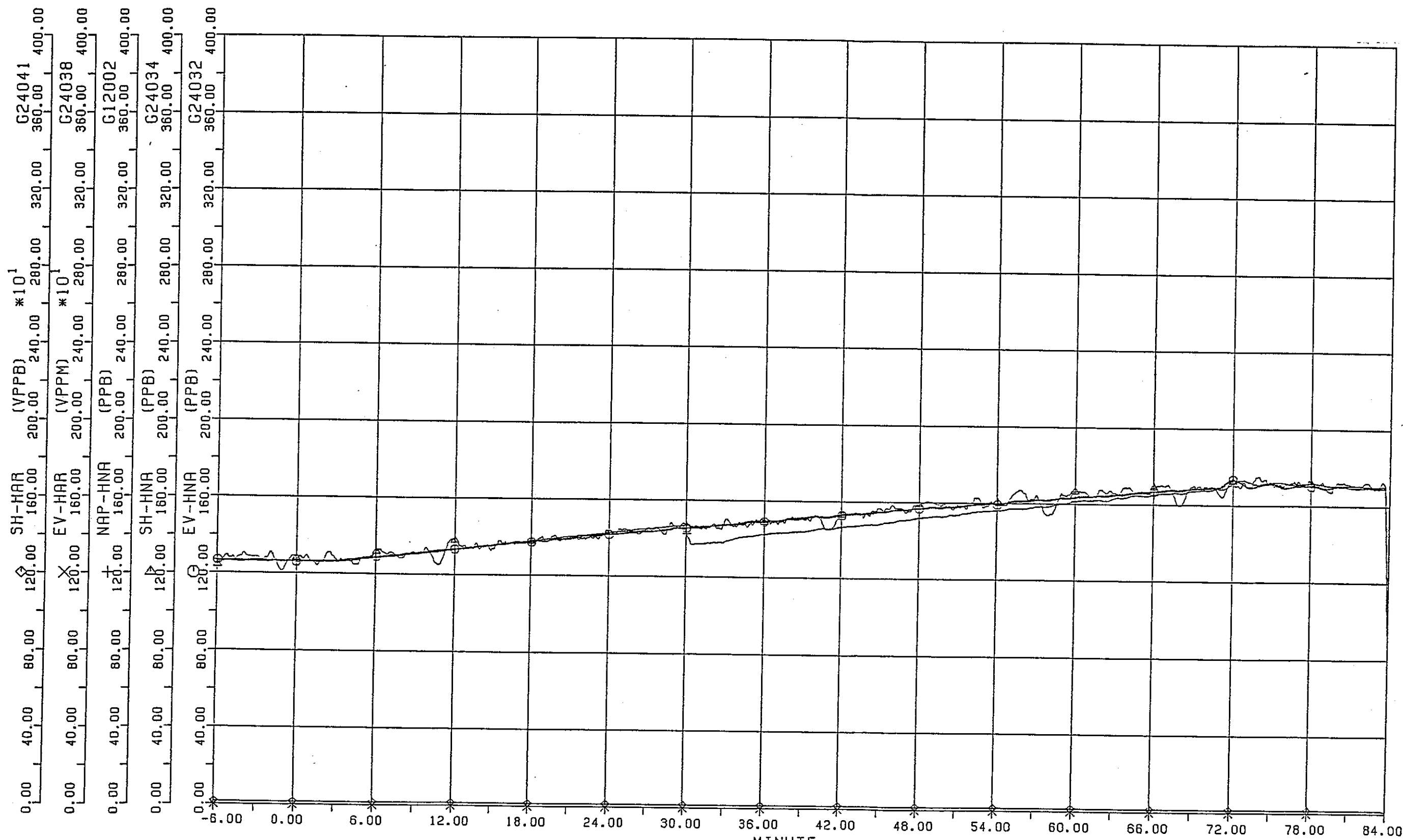
NATEMP= 470.0 NA FLOW = 580.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000500 G/SEC
 83 NEN 06 GATS 18 NICHI 11 ZI 21 FUN 55 BYO RUN-955
 SAMPLING PERIOD 2.00

CASE C956 HYDROGEN INJECTION TEST

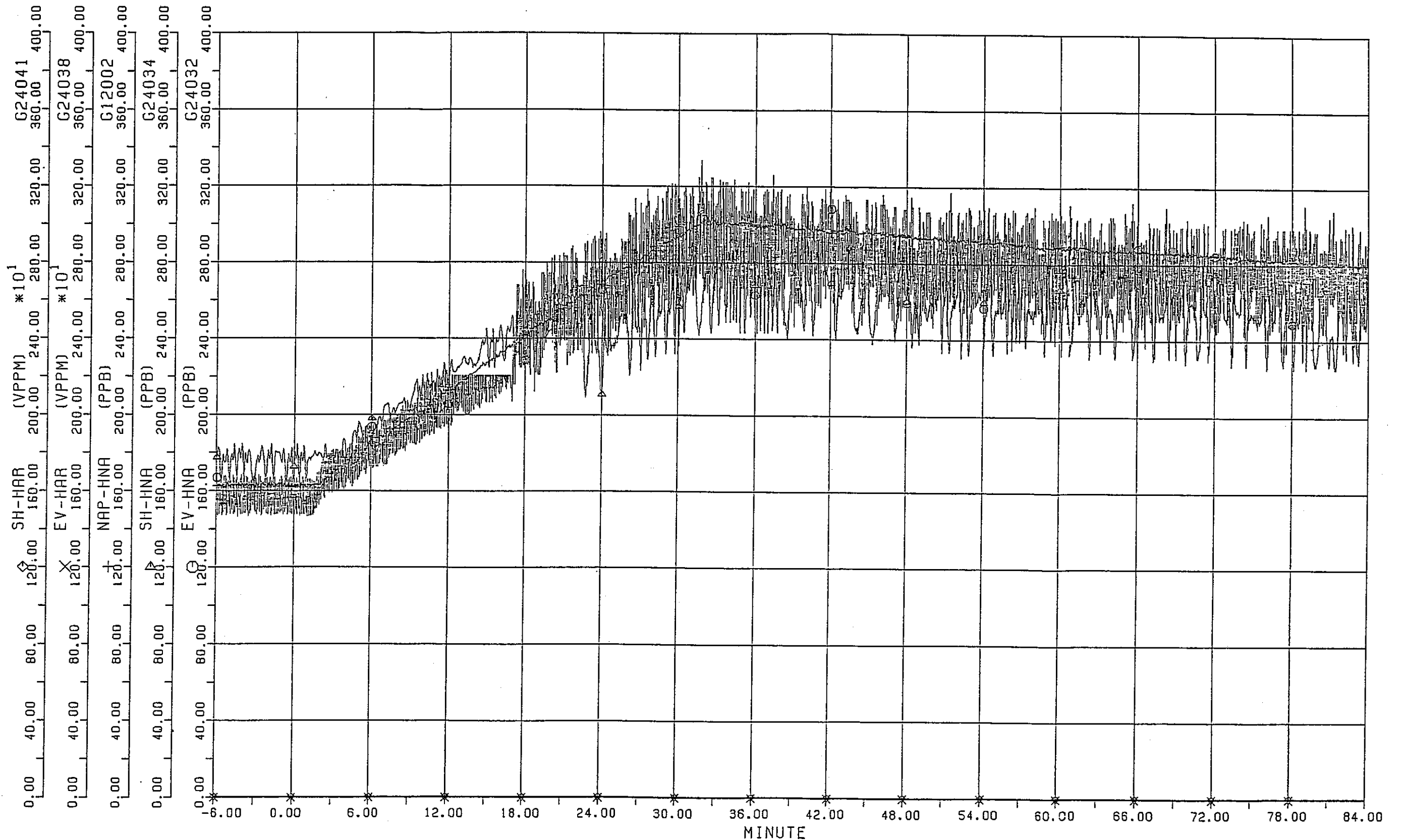
平均化 = 20



NATEMP= 470.0 NA FLOW = 580.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000500 G/SEC
 83 NEN 06 GATS 18 NICHI 11 ZI 21 FUN 55 BYO RUN-955
 SAMPLING PERIOD 2.00
 CASE C956 HYDROGEN INJECTION TEST



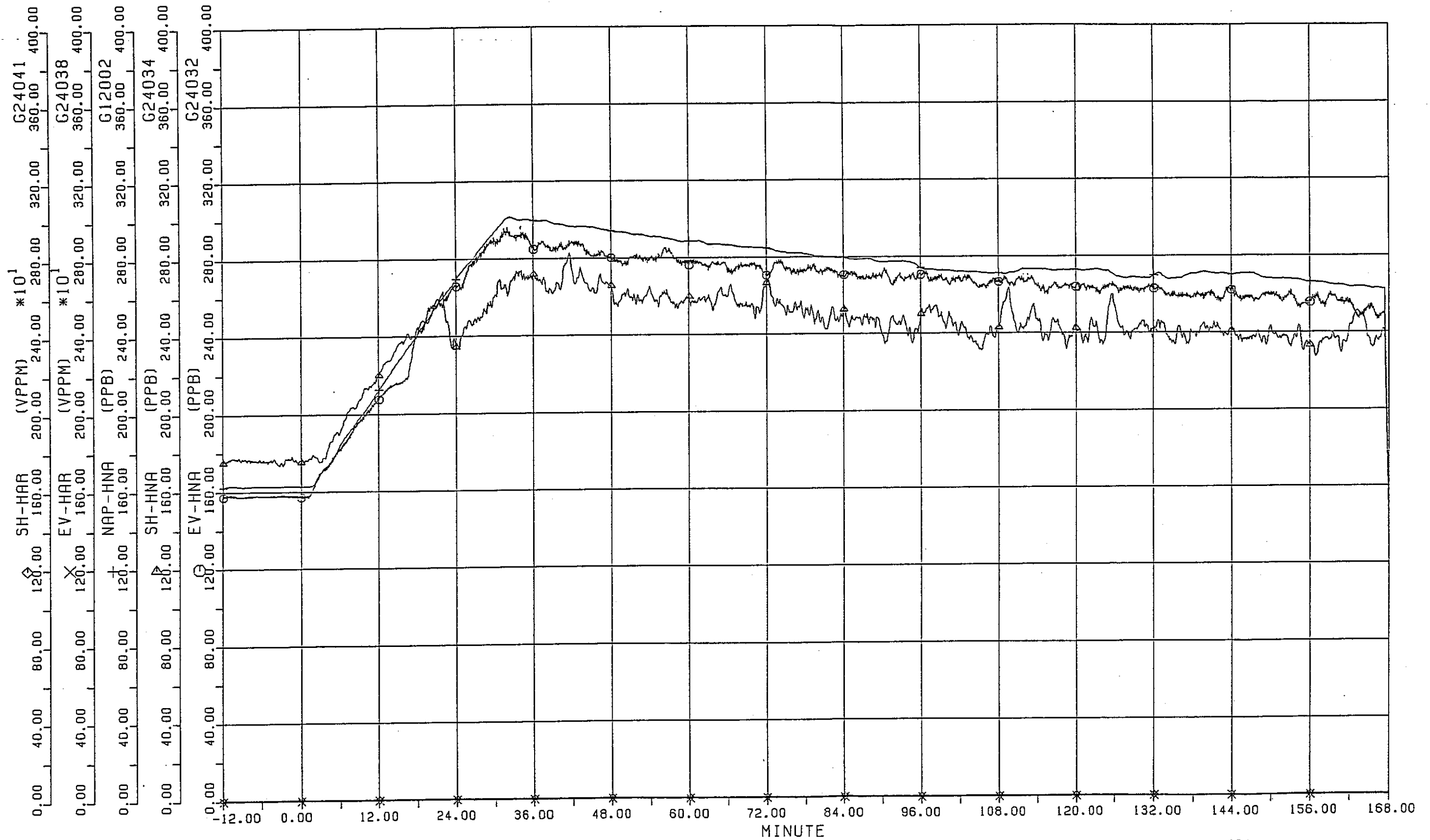
NATEMP= 470.0 NA FLOW = 580.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000500 G/SEC
 83 NEN 06 GATS 18 NICHU 11 ZI 21 FUN 55 BYO RUN-955
 SAMPLING PERIOD 2.00
 CASE C956 HYDROGEN INJECTION TES



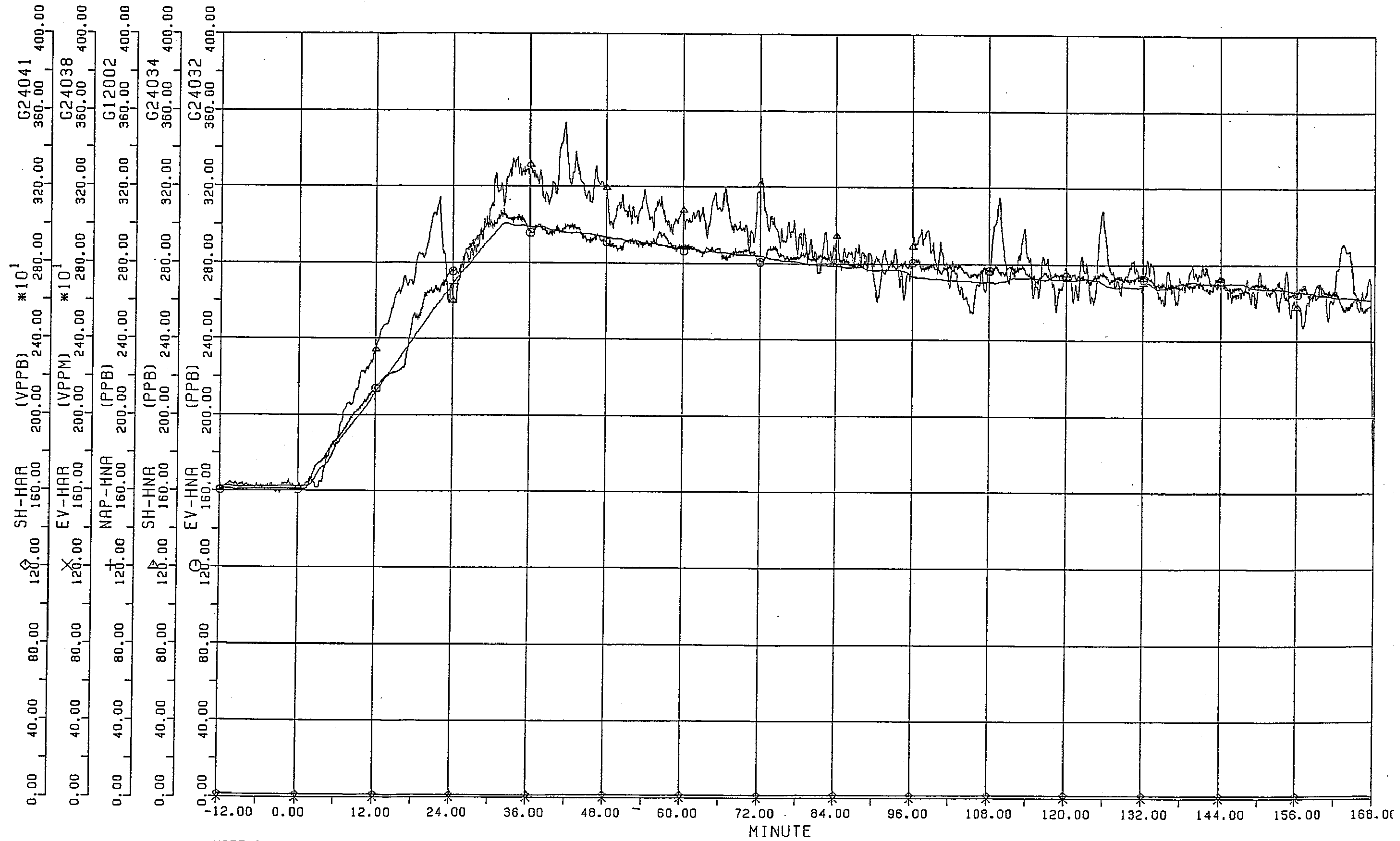
NATEMP= 469.0 NA FLOW = 600.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 18 NICH1 11 ZI 21 FUN 55 BYO RUN-955
SAMPLING PERIOD 2.00

CASE C957 HYDROGEN INJECTION TEST

平均化 = 20

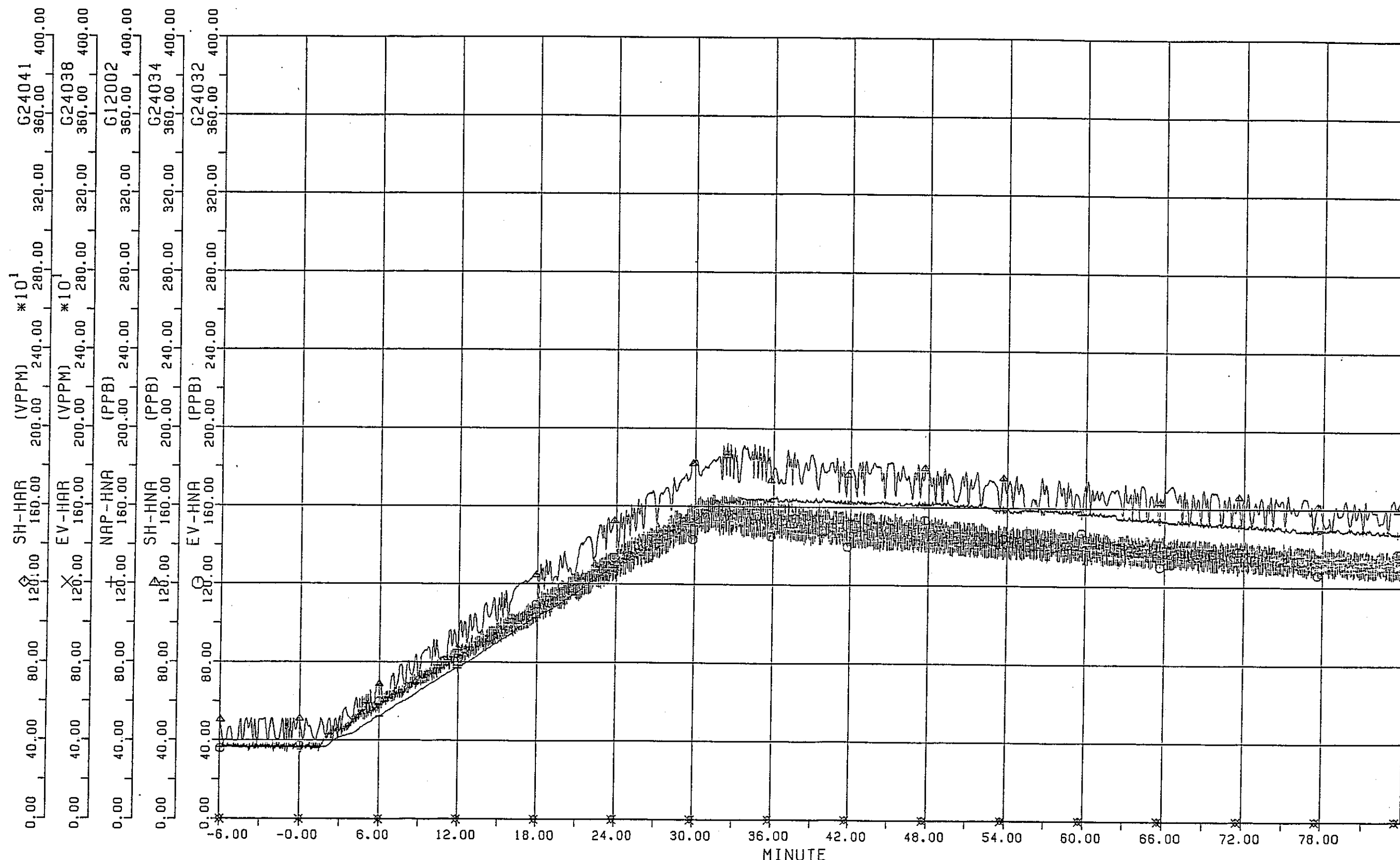


NATEMP= 469.0 NA FLOW = 600.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 06 GATS 18 NICHI 11 ZI 21 FUN 55 BYO RUN-955
 SAMPLING PERIOD 4.00
 CASE C957 HYDROGEN INJECTION TES



NATEMP= 469.0 NA FLOW = 600.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 18 NICH 11 ZI 21 FUN 55 BYO RUN-955
SAMPLING PERIOD 4.00

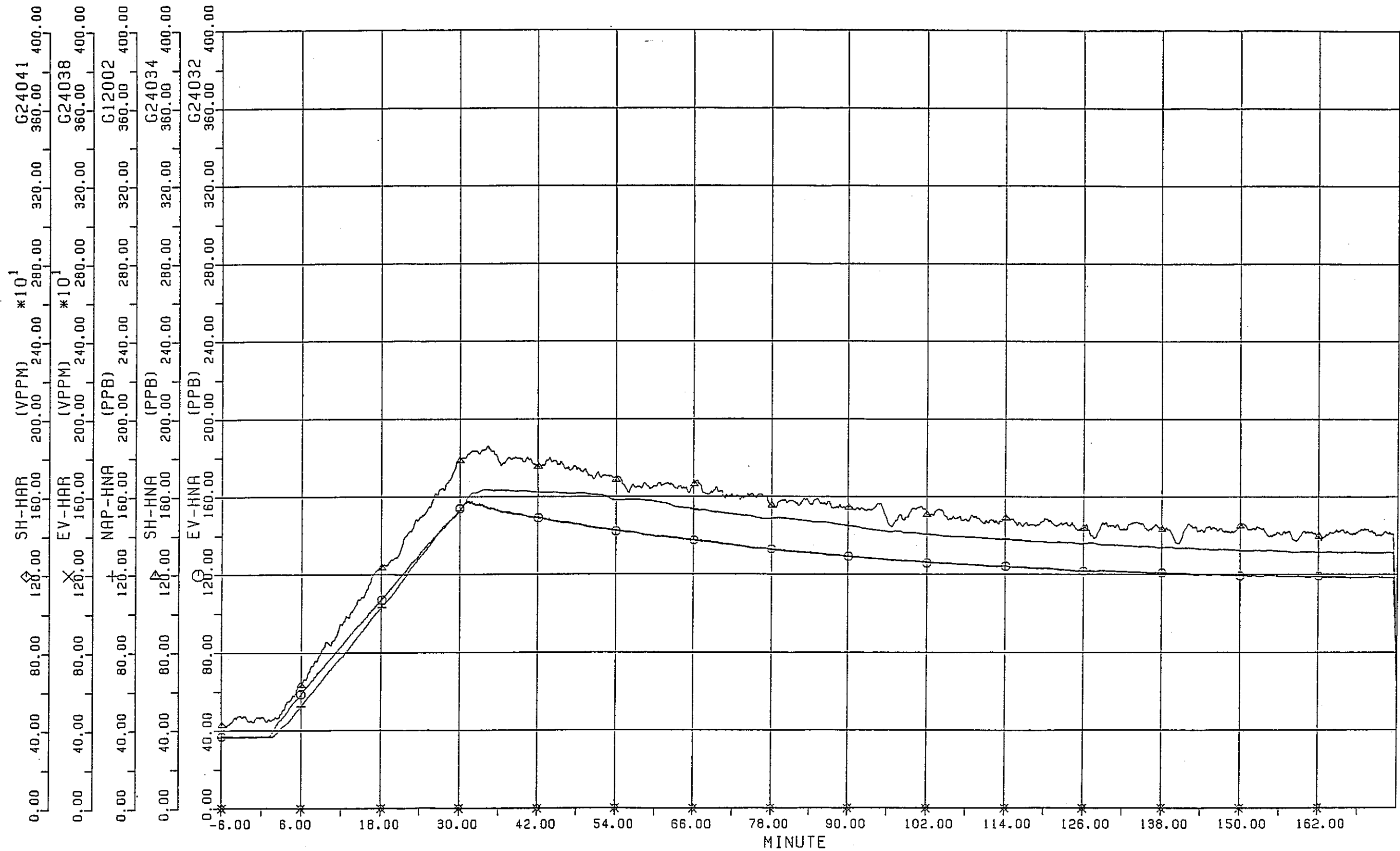
CASE C957 HYDROGEN INJECTION TES



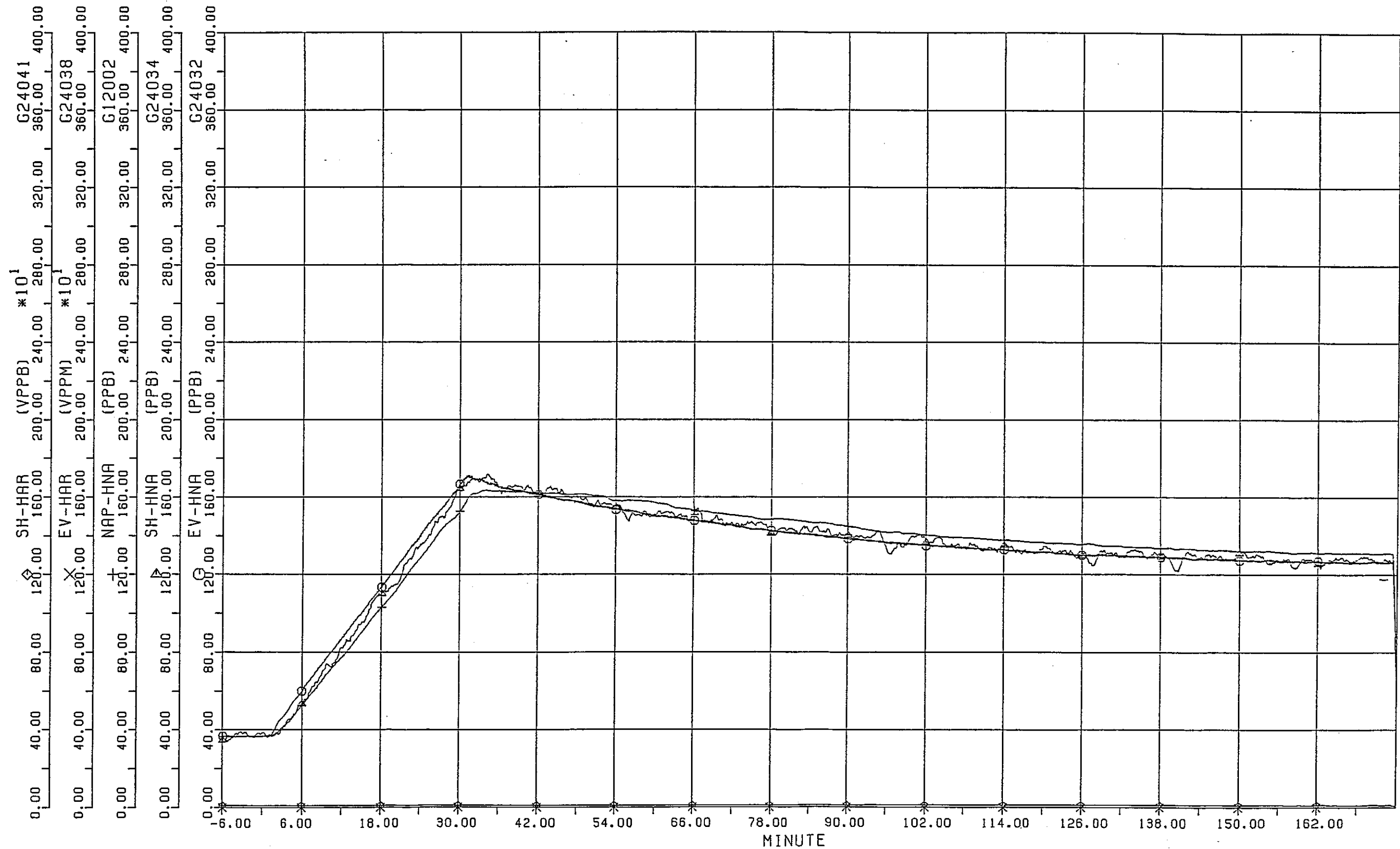
NATEMP= 485.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
83 NEN 06 GATS 26 NICHI 13 ZI 09 FUN 10 BYO RUN-955
SAMPLING PERIOD 2.00

CASE C958 HYDROGEN INJECTION TEST

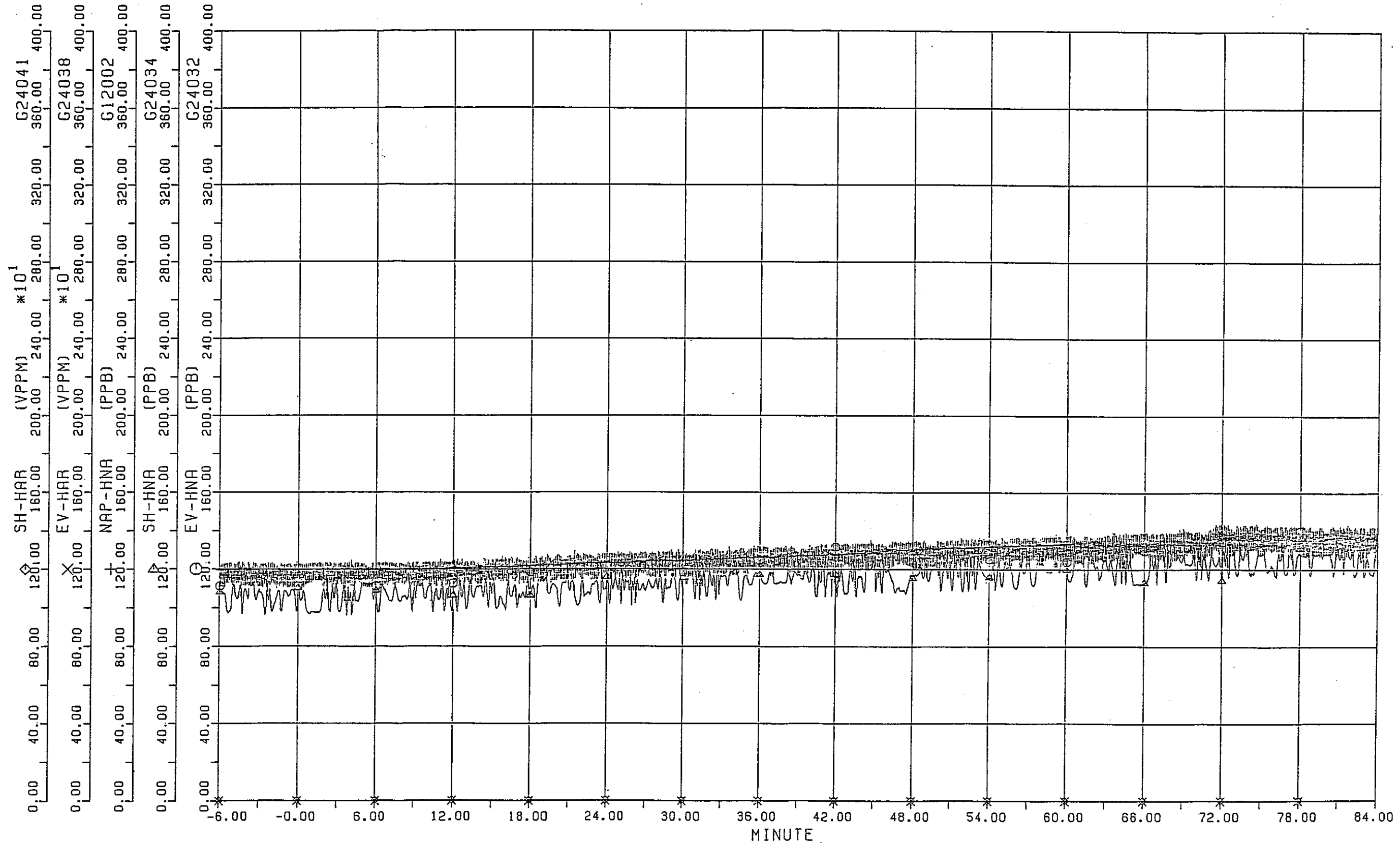
平均化 = 20



NATEMP= 485.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 89 NEN 06 GATS 26 NICHI 13 ZI 09 FUN 10 BY0 RUN-955
 SAMPLING PERIOD 4.00
 CASE C958 HYDROGEN INJECTION TES

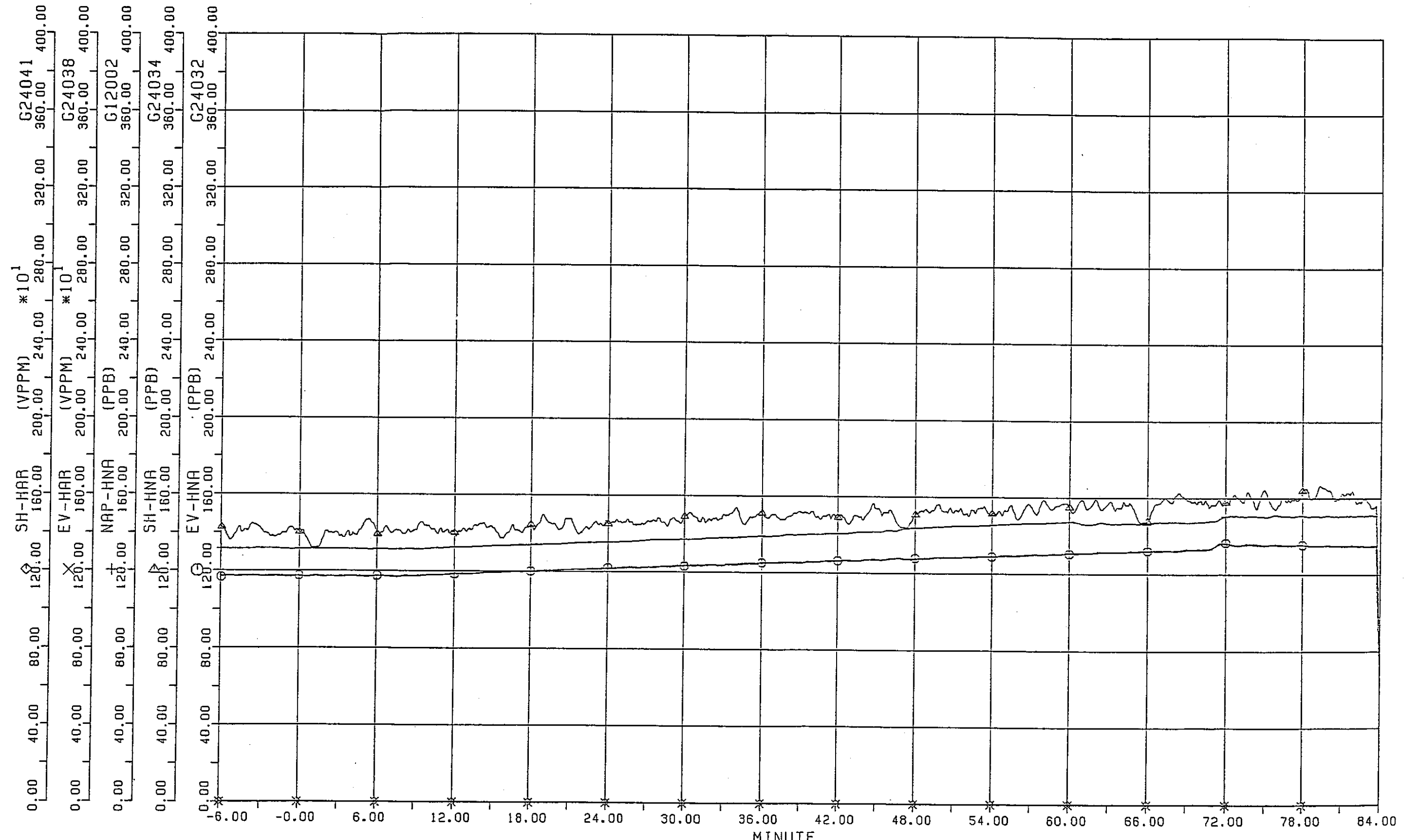


NATEMP= 485.0 NA FLOW = 800.0 T/H INJECTION TIME= 1800.0 SECOND INJECT RATE= 0.003000 G/SEC
 83 NEN 06 GATS 26 NICHI 13 ZI 09 FUN 10 BYO RUN-955
 SAMPLING PERIOD 4.00
 CASE C958 HYDROGEN INJECTION TEST



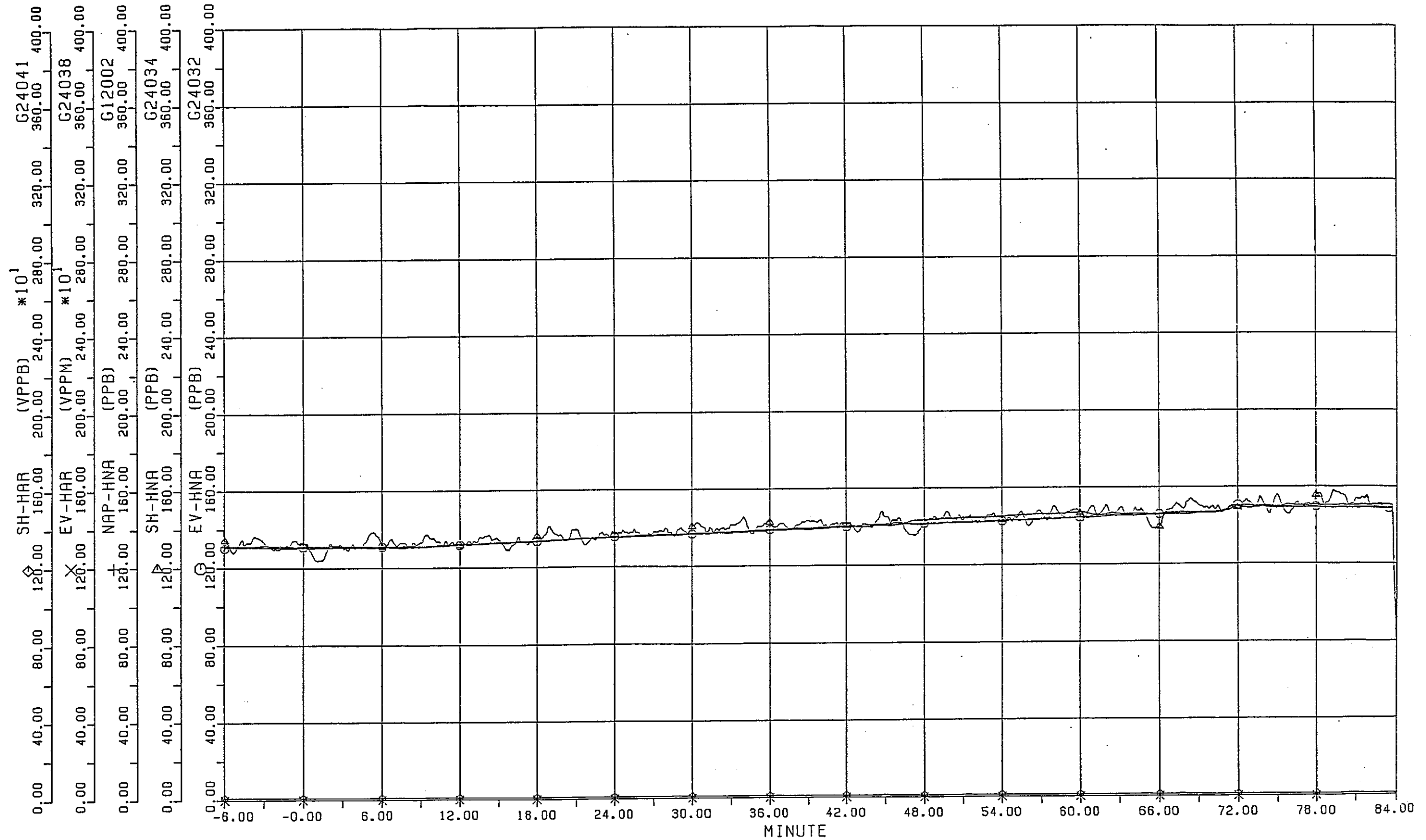
NATEMP= 485.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 26 NICHI 13 ZI 09 FUN 10 BYO RUN-955
SAMPLING PERIOD 2.00
CASE C959 HYDROGEN INJECTION TES

平均化 = 20

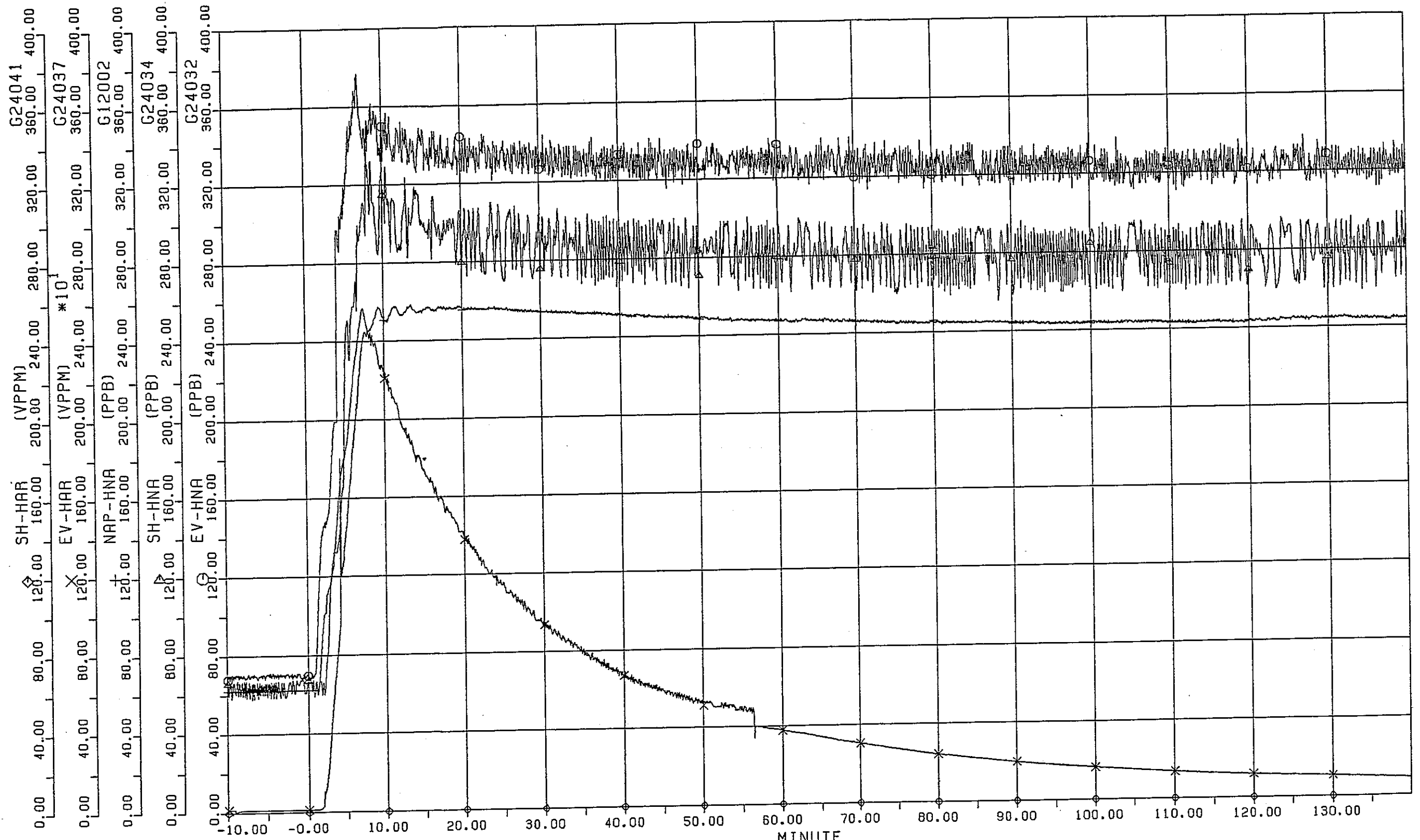


NATEMP= 485.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
 83 NEN 06 GATS 26 NICHI 13 ZI 09 FUN 10 BYO RUN-955
 SAMPLING PERIOD 2.00

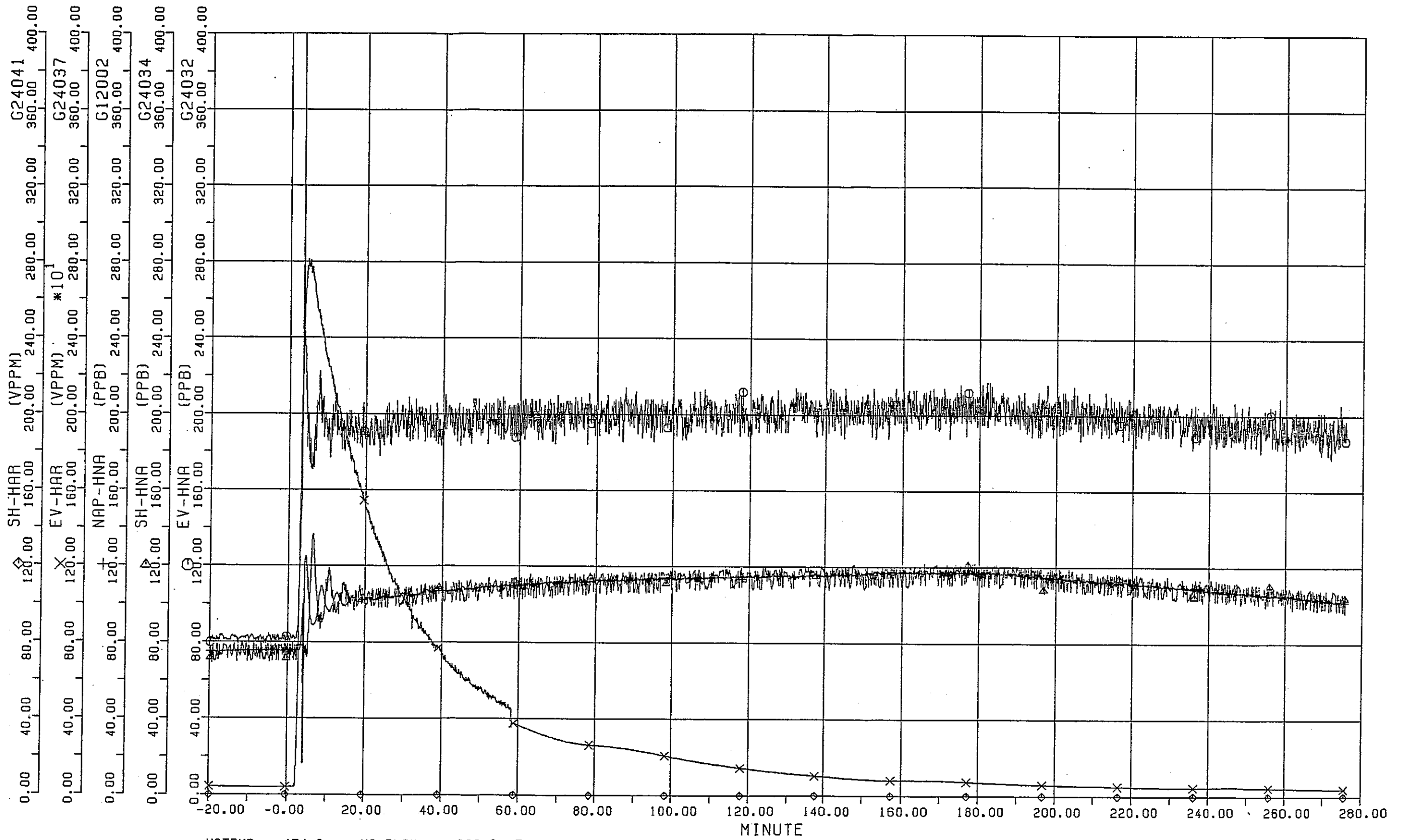
CASE C959 HYDROGEN INJECTION TES



NATEMP= 485.0 NA FLOW = 800.0 T/H INJECTION TIME= 4200.0 SECOND INJECT RATE= 0.000200 G/SEC
83 NEN 06 GATS 26 NICHI 13 ZI 09 FUN 10 BYO RUN-955
SAMPLING PERIOD 2.00 CASE C959 HYDROGEN INJECTION TES



NATEMP= 449.8 NA FLOW = 802.1 T/H INJECTION TIME= 360.0 SECOND INJECT RATE= 10.80000 G/SEC
83 NEN 11 GATS 07 NICHI 06 ZI 04 FUN 53 BYO #2-3203 CASE 960
SAMPLING PERIOD 4.00
CASE C960 HYDROGEN INJECTION TEST



NATEMP= 454.3 NA FLOW = 399.9 T/H INJECTION TIME= 60.0 SECOND INJECT RATE= 2.519998 G/SEC
83 NEN 11 GATS 06 NICHI 15 ZI 32 FUN 00 BYO #2-3201 CASE 961
SAMPLING PERIOD 6.00

CASE C961 HYDROGEN INJECTION TEST