Box # 12-1-3 1665

ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

Jack Buddenbaum / K-25 Site Records
Requestor / Document Center (is requested to provide the following document)

Date of request 3/22/95 Expected receipt of document 4/7/95

Document number _____ Date of document ~~8~~ 1955

Title and author (if document is unnumbered)
Purge Rate SCF/Day

Please copy the entire folder

(This section to be completed by Document Center)

Date request received 3/27/95

Date submitted to ADC 4/3/95

Date submitted to HSA Coordinator 3/27/95

(This section to be completed by HSA Coordinator)

Date submitted to CICO 4/3/95

Date received from CICO 4/24/95

Date submitted to ChemRisk/Shonka and DOE 4/25/95

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received _____

Signature _____

Purge Rates

1955

Oct. 1955

312-1 = 7744 SCF/Day
312-3 = 3989 " "
Total Purge = 11,730 " "
Mol. % UF_6 = .0001537 8 =
15.378 X 10^{-5} SCF/Day

Nov.

312-1 = 8202 SCF/Day
312-3 = 3808 " "
Total Purge = 12,010 " "
Mol. % UF_6 = .0000565 =
5.656 X 10^{-5} " "

Dec.

312-1 = 8184 SCF/Day
312-3 = 3751 " "
Total Purge = 11,935 " "
Mol. % UF_6 = 4.066 X 10^{-5}

3 months average

312-1 = 8042 SCF/Day
312-3 = 3849 " "
Total Purge = 11,892 " "
Total Purge increase over previous Quarter = 3.17
Mol. % UF_6 " " " " " = -24.173

Avg. Mol % UF_6 = 8.394 X 10^{-5}

or 3 months average of weighted average

This document has been approved for release to the public by:
Technical Information Officer
Oak Ridge K-25 Site
4/23/95
Date

PURGE RATE

Month Oct 55

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	8742		4442	000894
2	7531		4454	001126
3	7806	000005	4129	000546
4	7965	—	4135	000541
5	8125	000003	3974	000242
6	8292	000005	3822	000471
7	7382	000005	4014	000654
8	6961	—	4451	000373
9	7820	—	5050	000648
10	7178	—	3964	000576
11	7982	000003	4058	000372
12	7532	—	4521	000594
13	7439	—	4313	000457
14	7533	—	4248	000796
15	7550	000003	4747	000493
16	7114	—	3384	000384
17	7255	—	3936	000626
18	7423	—	3577	000498
19	8691	0000023	3983	000074
20	7901	—	4091	000167
21	7258	—	3981	000110
22	7541	—	3285	000539
23	7879	—	2734	000279
24	7873	—	3270	000133
25	8972	—	4459	000193
26	9185	—	4533	000358
27	8417	000004	3474	000098
28	7505	—	3421	000271
29	6915	—	4033	000288
30	7209	—	3429	000581
31	7009	[illegible]	3737	.000186

239985 Total 363,634 123,649

.420932 55.918113 55.497181

Purge rates for November, 1955

	K312-1 purge	T.C	purge	K312-3 T.C
11/1/55	7620	—	3862	000286
11/2/55	7611	.000005	3188	000167
11/3/55	7702	—	3473	000045
11/4/55	8092	.000007	3421	000150
11/5/55	11063	.000002	3796	000143
11/6/55	9139	000005	3400	000080
11/7/55	8018	—	3395	000097
11/8/55	7557	—	3757	000126
11/9/55	6812	—	3548	000233
11/10/55	8026	—	3460	000223
11/11/55	7861	—	3814	000250
11/12/55	7661	—	4029	000504
11/13/55	8572	—	4202	000159
11/14/55	7405	—	4027	000268
11/15/55	8009	000022	3803	000061
11/16/55	8555	—	3894	000378
11/17/55	7934	000005	3901	000097
11/18/55	8540	—	3935	000112
11/19/55	8445	—	3713	000375
11/20/55	8544	000005	3993	000067
11/21/55	7915	—	4174	000253
11/22/55	8374	—	4203	000267
11/23/55	9025	—	3717	000094
11/24/55	8381	—	4226	000082
11/25/55	8404	—	4070	000053
11/26/55	7901	—	3799	000141
11/27/55	8166	—	3725	000129
11/28/55	8777	—	3776	000172
11/29/55	8118	—	3843	000061
11/30/55	7833	—	4092	000130

8202   12,010   3808

30 | 246,060   30 | 360,293   30 | 114,233

.421108   20.378769   19.957661

.00005656 = 5.656×10^{3}

PURGE RATE

Month 12/1/55

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	8530	Nil	3774	000087
2	8445	"	4084	000198
3	7652	"	3802	000100
4	8191	"	3968	000283
5	8155	"	4330	000103
6	8214	"	3820	000180
7	7834	"	3987	000217
8	8748	"	3482	000118
9	7933	"	4051	000121
10	8527	"	3967	000040
11	8284	"	3509	000024
12	8175	"	3472	000028
13	8588	"	3554	000028
14	8200	"	3781	000123
15	7921	"	4225	000066
16	8235	"	3638	.000042
17	7876	"	3622	.000035
18	7981	"	3634	.000093
19	8897	"	3814	.000257
20	8438	"	4067	.000027
21	8363	"	3924	000050
22	8290	"	3749	000234
23	8330	"	3953	001022
24	7698	"	3939	.000164
25	7813	.000050	3735	.000252
26	8170	.000052	3536	.000043
27	7758	Nil	3381	.000018
28	7976	Nil	3300	.000070
29	7720	.000018	3424	.000344
30	7546	Nil	3249	.000030
31	9200	.000063	3500	.000120
	253708	Int. 369,999	116,291	
	1.534050	15.044092	13.510042	

PURGE RATE

Jan. 1, 1956

Month Dec. 1955

Day of Month	312-1		312-3	
	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	8550	—	3774	.000087
2	8445	—	4084	.000198
3	7652	—	3802	.000150
4	8191	—	3968	.000283
5	8155	—	4350	.000103
6	8214	—	3820	.000180
7	7834	—	3987	.000217
8	8748	—	3482	.000118
9	7933	—	4051	.000121
10	8529	—	3967	.000040
11	8284	—	3509	.000024
12	8175	—	3472	.000028
13	8588	—	3554	.000028
14	8200	—	3781	.000123
15	7921	—	4225	.000066
16	8235	—	3628	.000042
17	7876	—	3622	.000030
18	7981	—	3634	.000093
19	8897	—	3814	.000252
20	8438	—	4067	.000027
21	8363	—	3924	.000050
22	8290	—	3749	.000234
23	8330	—	3953	.000022
24	7698	—	3939	—
25	7813	—	3733	—
26	8170	.000052	3536	.000043
27	7758	—	3381	.000018
28	7976	—	3300	.000070
29	7720	.000018	3424	.000244
30	7546	—	3249	.000030
31	9200	.000063	3500	.000120
	253708		369,999	116,291
	1.143440		13.235054	12.091650

1955

July

312-1 = 6307 SCf/Day

312-3 = 4300 " "

Total Purge = 10,639 " "

Mol % UF_6 = .000090 15 = 9.015×10^{-5} SCf/Day

August

312-1 = 7036 SCf/Day

312-3 = 4690 " "

Total Purge = 11,404 " "

Mol % UF_6 = .0001250 2 = 12.502×10^{-5} SCf/Day

September

312-1 = 7827 SCf/Day

312-3 = 4410 " "

Total Purge = 12237 " "

Mol. % UF_6 = 11.717×10^{-5} SCf/Day

3 months Avg.

312-1 = 7057 SCf/Day

312-3 = 4467 " "

Total Purge = 11,527 " "

Mol % UF_6 = 11.070×10^{-5} " "

Total Purge over Previous Quarter = 30.03%

Mol. % UF_6 " " " = 63.49%

PURGE RATE

Month Sept. 1955

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	8248	000003	4274	000211.
2	7683	000005	4761	000214
3	7217	000010	4662	000206
4	6596	—	4491	000164
5	7063	—	4236.	—
6	6910.	—	4684	000146
7	8581	000145	4346	000192.
8	7828	000020	4472	000246
9	7786	—	4388	000253
10	7308	—	3974	000187
11	7236	—	4857	000248.
12	7437	—	4430	000253
13	8074	000007	4124.	000179
14	8163	—	4105	000054.
15	6732	—	4206	000141.
16	6988	—	4416	000121
17	7188	—	4288	000176
18	6585	—	4613	000148.
19	6679	—	4192	000130
20	7221	000005	4352	000142
21	7134	000005	4748	000142.
22	9470	—	4777	000422.
23	8387.	000116	4408	000534
24	9124	—	3579	000578
25	8386	000005	4942	000513
26	7545	000004	4770	000828
27	9950	000096	4440	000332.
28	8824.	000003	3367	000878
29	9419	000143	4893	000300
30	9050	7[illegible]	4510	.000749
31				

30 | 234816
7827 scf/day

30 | 367121
12,237

30 | 132,305
4410 sc[illegible]

367121 | 43.013868
.00011717 = 11.717 X 10^5

PURGE RATE

Month 8/1/55

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	6675	Nil	4637	000089.
2	6466	"	4390	000159.
3	7364	"	4273	000331.
4	8669	Nil	4793.	000318.
5	6028	Nil	5289	000194.
6	6196	"	4966	000156
7	7220.	"	5368	000203
8	7287	000003	5371	000240
9	6717	000003	4733	000098
10	7381	000005	4626	000227.
11	6846	000022	5139.	000192
12	9816	000142	4710	000122
13	8038	000005	4190	000188
14	7109	Nil	4921	000626.
15	7594	000096	4688	000400
16	6715	Nil	4924	000435
17	6777	000003	5118	000240
18	7637	000002	4733	000235
19	9110	000406	4303	000187
20	6701	000027	3986	000105
21	6526	000003	4915	000307
22	6352	000003	4603	000161.
23	7708	000005	4236	000207.
24	6248	000005	4555	000461.
25	6114.	000009	4952	000357
26	[illegible]	000003	4386	000203
27	6403	Nil	4974	000567
28	6526	Nil	4616	000398.
29	6385	000005	4615	000420
30	6292	Nil	4200	000173
31	6292	Nil	4237	.000230

31 218119 31 145397 Top conc. 32.91 265

Top conc. 6.523953
Total " " 45.445812 31 363,516

PURGE RATE

Month July /1955

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	5476	.000010	3260	.000260
2	6687	.000010	3334	.000263
3	5411	.000010	3285	.000282
4	5670	.000010	3186	.000264
5	6084	.000010	2685	.000248
6	5497	.000010	3030	.000217
7	7514	.000020	3398	.000368
8	5721	.000010	3300	.000231
9	5829	.000010	4044	.000549
10	5783	.000010	8079 (?)	.000407
11	5641	NIL	7186 (?)	.000113
12	5709	NIL	4765 (?)	.000038
13	5661	NIL	5658 (?)	.000553
14	7070	.000011	4000	.000290
15	6472	NIL	4062	.000035
16	5350	NIL	3639	.000033
17	5378	NIL	3826	.000097
18	4138	Nil	3856	.000218
19	[illegible]	"	4068	.000200
20	7227	.000127	4716	.000054
21	7045	Nil	4979	[illegible]
22	6452	Nil	4799	.000047
23	7194	Nil	[illegible]	.000195
24	6174	Nil	4896	.000086
25	7158	Nil	4539	.000050
26	6557	Nil	[illegible]	.000037
27	6283	.000300	4105	.000128
28	677[illegible]	Nil	4358	.000210
29	7618	Nil	4734	.000[illegible]
30	7816	Nil	4419	[illegible]
31	7181	Nil	4857	.000224

31 | 195,503   31 | 329,796   31 | 133,293

Top Conc = 3.552359   29.73036   25.954006

April

312-1 155,419 ÷ 30 = 5181 scf/Day
312-3 " 94,914 ÷ 30 = 3164 " "
Total Purge 250,333 ÷ 30 = 8344
Mol. % UF_6 = 25.393218 ÷ 250,333 = .00010144 = 10.144×10^{-5} scf/Day

May

312-1 = 170,441 ÷ 31 = 5498 scf/Day
312-3 = 108 446 ÷ 31 = 3498 " "
Total Purge = 278 887 ÷ 31 = 8996 " "
Mol. % UF_6 = 3.585859 ÷ 250,333 = .00001432 = 1.432×10^{-5} scf/Day

June

312-1 = 177,555 ÷ 30 = 5919 scf/Day
312-3 = 100,084 ÷ 30 = 3336 " "
Total Purge = 277,639 ÷ 30 = 9255 " "
Mol. % UF_6 = 24.261142 ÷ 277,639 = .00008738 = 8.738×10^{-5} scf/Day

3 months avg.
312-1 = 5533 scf/Day
312-3 = 3333 " "
Total Purge = 8865
Mol % UF_6 = 6.771×10^{-5} " "
Total Purge over Previous Quarter = -4.49%
Mol. % UF_6 " " " = -32.75%

PURGE RATE

Month 6/1 55

Day of Month	312-1		312-3	
	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	5623	N.I	3267	000003
2	6154	N.I	3466	000003
3	5746	000009	3128	000003
4	4780	N.I	2912	000009
5	5593	"	3011	000005
6	5557	"	2546	000017
7	5813	000003	3595	000003
8	5291	N.I	2543	000003
9	5834	N.I	3440	000004
10	7517	000004	3347	000077
11	6618	000003	3557	000110
12	6203	000003	3041	000035
13	6127	000003	3444	000046
14	5801	000003	3405	000110
15	6900	000005	3146	000076
16	7072	000003	3138	000554
17	5804	N.I	3473	000390
18	5608	N.I	3442	000286
19	5320	N.I	2766	000387
20	6030	000003	3178	000182
21	4561	N.I	3274	000306
22	4694	—	2993	000088
23	6573	—	3351	000239
24	6120	—	4320	000354
25	3381	—	3200	000092
26	8286	000003	3581	000092
27	6467	000244	3457	000239
28	6465	000955	3486	000207
29	5740	N.I	2901	000332
30	6597	.000003	3411	.000186
31				

PURGE RATE

Month May - 1953

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	4723	000010	3490	000531
2	3861	Nil	3750	000015
3	4753	[illegible]	3735	000080
4	4994	000008	3499	000024
5	5048	000005	3902	000007
6	4632	000005	2317	Nil
7	5777	000005	5157	000007
8	5269	000005	4048	000002
9	5446	000008	3857	000003
10	5669	000008	3693	000003
11	5960	000003	3357	000003
12	5084	000003	3267	000007
13	5248	000005	3259	Nil
14	5732	000008	2743	000003
15	6309	Nil	3111	Nil
16	6190	Nil	2819	000002
17	5972	Nil	3156	Nil
18	5471	000003	3115	000003
19	5576	000003	3696	000003
20	5573	000005	3766	000003
21	4986	Nil	3528	Nil
22	5528	Nil	3361	Nil
23	5826	000006	3531	Nil
24	6294	000010	4136	Nil
25	7788	000008	3337	Nil
26	5751	000010	3569	000010
27	5567	000010	3609	000010
28	5318	000010	3359	000010
29	4978	000010	3307	000010
30	5304	000012	3330	000010
31	5814	000009	3642	000003

PURGE RATE

Month April, 1955

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	6209	—	3667	000054
2	5482	000005	3496	000076
3	5266	—	3403	000196
4	5067	000010	2982	000340
5	5125	000008	3640	000074
6	5589	000008	3038	000148
7	5649	000005	3078	000029
8	5021	000005	2911	0000132
9	5062	000008	3078	000231
10	4192	000005	3120	000005
11	4997	000005	2863	000540
12	7201	000008	3217	000152
13	4362	000004	2871	000117
14	7157	000055	2904	000061
15	4872	000005	3252	000094
16	4684	000005	3113	000101
17	5082	000005	3054	000429
18	4667	000005	3091	[illegible]
19	4417	000005	2965	000308
20				
21	5410	000005	3168	000766
22	4306	.000010	3306	.000997
23	5143	.000010	2992	.000262
24	4553	.000012	2946	.000075
25	5029	.000012	3156	.000182
26	5076	.000012	3206	.000082
27	5131	.000012	3726	.000518
28	5599	.000010	3134	.000180
29	5014	.000012	3289	.000523
30	4862	.000012	3252	.000036
31	—			

Go. in [illegible]

PURGE RATE

Month MARCH 1955

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	4275	000009	4158	000074
2	4455	000013	3171	000131
3	5075	000022	4390	000122
4	5392	000011	4178	000126
5	5156	000012	3900	000188
6	5538	000003	3541	000257
7	5017	000006	4564	000111
8	5238	000006	3508	000049
9	4973	000003	3371	000179
10	5347	000009	4034	000058
11	5684	000009	3847	000083
12	6467	000005	3402	000131
13	5365	000005	3575	000085
14	4822	.000012	3571	.000634
15	5632	.000005	3673	.000171
16	5398	Nil.	3233	.000199
17	5244	Nil.	3864	000092
18	5714	Nil.	3870	000128
19	5390	000035	3896	000061
20	6043	000017	3300	000125
21	5933	[illegible]	3812	000128
22	5406	000009	3863	000221
23	5590	000005	4344	000169
24	6057	—	4007	000181
25	5638	—	3794	000492
26	5771	—	3615	000126
27	5412	000005	3788	000229
28	5412	000005	3822	000090
29	5853	000006	3805	000052
30	5538	000005	3692	000034
31	5538	000005	3692	000034

PURGE RATE

Month Feb 1 1955

	312-1		312-3	
Day of Month	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	3758	000003	3808	000232
2	5110	000008	3543	000901
3	4454	000009	4884	000087
4	5702	003347	4253	000372
5	5756	000012	3685	000008
6	4111	000009	3663	000027
7	4566	000011	3575	000118
8	4910	000005	3658	000122
9	4667	000008	4375	000150
10	6705	000271	5266	000660
11	8129	000011	4238	000251
12	7569	000005	3981	000021
13	9874	000018	4014	000068
14	8937	000008	4301	000028
15	8900	000291	4499	000090
16	4878	000004	4046	000101
17	4168	000061	4086	000225
18	4250	000005	3685	000172
19	4305	000005	3787	000213
20	4316	Nil.	4262	000151
21	5365	000411	3901	000076
22	4563	000014	3446	000633
23	4552	000009	3687	000261
24	4367	000041	4064	000063
25	8629	—	6300	000552
26	7115	—	6062	000550
27	7794	000009	6135	000123
28	4275	.000009	4158	.000074
29				
30				
31				

Bill Hoover

PURGE RATE

Month 1/1/54

Day of Month	312-1		312-3	
	Purge Rate	Tops Concentration	Purge Rate	Tops Concentration
1	5457	Nil	3433	000076
2	5349	000005-	3239	000070
3	5855-	Nil	2799	000064
4	6068	000005-	3486	000054
5	7008	Nil	3581	000146
6	5289	000016	3391	000038
7	4949	000005-	3288	000054
8	5492	000005-	3280	000082
9	5097	Nil	3306	000071
10	5213	Nil	3140	000024
11	5030	" "	3392	000036
12	4719	000007	3682	000131
13	5058	000009	3531	.000035-
14	4883	000025-	3562	.000086
15	4836	000012	3429	.000036
16	4850	000009	3168	.000036
17	4867	000009	3372	.000195-
18	4405	000009	3888	.000249
19	4664	000008	3746	000463
20	4438	000010	3718	.000096
21	5508	000014	4463	.000580
22	4971	000042	3465-	.000328
23	5205-	000022	3722	000099
24	4782	000015-	3595-	000066
25	5083	000032	3606	000058
26	4933	000009	3483	000030
27	5075-	000011	3646	000014
28	5961	000010	3501	000151
29	4692	000005-	4429	000038
30	5113	000026	3764	000314
31	4604	000010	3713	000137

Purge Rates

SCF/Day and Tag Conc.

JAN, Feb, MAR, 1955

YEAR _____ JAN. FEB. MAR.

MONTH	← 312-1	← 312-3 →	← 312-1	312-3 →	← 312-1	312-3 →
1	5457 X 0	3433 X .000076	3758 X .000003	3808 X .000232	4275 X .000009	4158 X .000074
2	5349 X .000005	3239 X .000070	5110 X .000008	3543 X .000901	4455 X .000013	3871 X .000131
3	5855 X 0	2799 X .000064	4454 X .000009	4884 X .000087	5075 X .000022	4390 X .000122
4	6068 X .000005	3486 X .000056	5702 X .003347	4253 X .000372	5392 X .000011	4178 X .000126
5	7008 X 0	3581 X .000146	5756 X .000012	3685 X .000008	5156 X .000012	3900 X .000188
6	5289 X .000016	3391 X .000078	4111 X .000009	3663 X .000027	5538 X .000003	3541 X .000257
7	4949 X .000005	3288 X .000054	4566 X .000011	3575 X .000118	5017 X .000006	4564 X .000111
8	5492 X .000005	3280 X .000082	4910 X .000005	3658 X .000122	5238 X .000006	3508 X .000049
9	5097 X 0	3306 X .000071	4667 X .000008	4375 X .000150	4973 X .000003	3371 X .000179
10	5213 X 0	3140 X .000074	6705 X .000271	5766 X .000660	5347 X .000009	4034 X .000058
11	5030 X 0	3392 X .000036	8129 X .000011	4238 X .000251	5684 X .000009	3847 X .000083
12	4719 X .000007	3682 X .000131	7569 X .000005	3981 X .000021	6467 X .000005	3402 X .000131
13	5058 X .000009	3531 X .000035	9874 X .000018	4014 X .000069	5365 X .000005	3575 X .000085
14	4883 X .000025	3562 X .000046	8937 X .000008	4301 X .000028	4822 X .000012	3571 X .000634
15	4836 X .000012	3429 X .000036	8900 X .000291	4499 X .000090	5632 X .000005	3673 X .000171
16	4850 X .000009	3168 X .000036	4878 X .000004	4046 X .000101	5399 X 0	3233 X .000199
17	4867 X .000009	3372 X .000195	4168 X .000061	4086 X .000225	5244 X 0	3860 X .000092
18	4415 X .000009	3829 X .000249	4250 X .000005	3685 X .000172	5714 X 0	3870 X .000128
19	4664 X .000007	3746 X .000463	4305 X .000005	3787 X .000213	5390 X .000035	3896 X .000061
20	4438 X .000010	3718 X .000096	4316 X 0	4262 X .000151	6043 X .000017	3300 X .000125
21	5508 X .000014	4463 X .000580	5369 X .000411	3991 X .000076	5933 X .000005	3812 X .000128
22	4971 X .000042	3465 X .000328	4563 X .000014	3446 X .000633	5406 X .000009	3863 X .000221
23	5205 X .000042	3722 X .000099	4553 X .000009	3689 X .000261	5590 X .000005	4360 X .000169
24	4782 X .000015	3591 X .000066	4367 X .000041	4064 X .000063	6057 X 0	4007 X .000181
25	5083 X .000032	3606 X .000052	8629 X 0	6300 X .000052	5638 X 0	3794 X .000492

Purge Rates
sct/day and Mol conc.

YEAR	JAN.		Feb.		MAR.	
MONTH	312-1	312-3	312-1	312-3	312-1	312-3
26	4933 X .000009	3483 X .000030	7115 X 0	6062 X .000050	5771 X 0	3615 X .000126
27	5078 X .000011	3646 X .000014	7796 X .000009	6135 X .000123	5412 X .000005	3788 X .000229
28	5961 X .000010	3501 X .000151	4275 X .000009	4458 X .000074	5412 X .000005	3822 X .000090
29	4692 X .000005	4429 X .000038			5853 X .000006	3805 X .000052
30	5113 X .000026	3764 X .000314			5538 X .000005	3692 X .000034
31	4649 X .000010	3713 X .000137			5538 X .000005	

31 | 159,509 → 5145 scf/day

31 | 109,769 → 3541 scf/day

28 | 161,732 → 5776 scf/day

28 | 119,454 → 4266 scf/day

31 | 168,374 → 5431 scf/day

31 | 114,288 → 3687 scf/day

31 | 269,278 → 8686 scf/day

28 | 281,186 Total Purge → 10,042 scf/day

31 | 282,662 → 9,118 scf/day

269278 | 16.231522 → .0000 6028 = 6.028 X 10^-5 scf/day

281,186 | 49.059373 → .000017 45 = 17.45 X 10^-5 scf/day

282662 | 19.008259 → .0000 6725 = 6.725 X 10^-5 scf/day

JAN.

312-1 = 5145 scf/day

312-3 = 3541 " "

Total Purge = 8686 " "

Mol % UF_6 = 6.028×10^{-5} "

Feb.

312-1 = 5776 scf/day

312-3 = 4266 "

Total Purge = 10,042

Mol % UF_6 = 17.450×10^{-5}

MAR.

312-1 = 5431 scf/day

312-3 = 3687 " "

Total Purge = 9118 " "

Mol. % UF_6 = 6.725×10^{-5} " "

3 Months Avg.

312-1 = 5451 scf/day

312-3 = 3831 " "

Total Purge = 9282 " "

Mol. % UF_6 = 10.068×10^{-5}

Total Purge over Previous Quarter = -19.52

Mol. % UF_6 " " = -81.94

Oct, Nov, Dec.

Purge Rates

SCF / Day and Tap Conc.

YEAR _____

MONTH	Oct. 312-1	Oct. 312-3	Nov. 312-1	Nov. 312-3	Dec. 312-1	Dec. 312-3
1	15,194 X .002700	3343 X .000029	9285 X .000122	3590 X .000248	6295 X .000006	3153 X .000538
2	14927 X .003341	3394 X .000290	7858 X .100300	3208 X .000095	6127 X .000009	3098 X .000267
3	14398 X .008671	3413 X .000290	8488 X .000380	3232 X .000173	6488 X .000005	3470 X .000669
4	12491 X .001286	3470 X .000020	13883 X .000301	3074 X .000016	5964 X .000005	3352 X .000143
5	11897 X .000712	3476 X .000083	9925 X .000445	3694 X .000095	6015 X .000009	2890 X .000022
6	9713 X .001470	3388 X .000028	9629 X .000022	2805 X .000226	6408 X .000011	3281 X .000129
7	13166 X .001438	3451 X .003232	9349 X .000018	2670 X .000190	6622 X .000009	3273 X .000199
8	13449 X .000613	3385 X .000004	10377 X .001308	2676 X .000180	5475 X .000005	3232 X .004111
9	14828 X .003828	3405 X .000052	9246 X .000029	2669 X .000301	5995 X .000007	3281 X .000045
10	13890 X .000129	3344 X .000071	8710 X .000011	3264 X .000639	6035 X .000003	3281 X .000213
11	13711 X .001142	3299 X .000059	8918 X .000026	3677 X .000111	5622 X .000005	3185 X .000185
12	13762 X .002545	3429 X .004979	8802 X .000031	2822 X .000242	5924 X 0	3161 X .000159
13	12971 X .000953	3521 X .000617	8857 X .000008	2955 X .000024	6109 X .000023	3276 X .000904
14	12849 X .002269	3466 X .000054	8899 X .000010	2976 X .000138	5591 X 0	3232 X .000904
15	13153 X .001906	3688 X .000327	8503 X .000010	2726 X .000432	6626 X .000023	3320 X .000034
16	9976 X .000211	3466 X .000510	8632 X .000023	2957 X .000596	8926 X .000148	3382 X .000104
17	10248 X .000095	3460 X .000018	10382 X .000254	3054 X .000963	7091 X .000034	3431 X .000120
18	10202 X .000987	3543 X .000032	11655 X .001121	3113 X .001262	5874 X .000016	[illegible]
19	9594 X .000136	3519 X .000169	6817 X .000260	3027 X .000963	5404 X .000016	3200 X .000036
20	9886 X .002197	3662 X .000155	5378 X .000011	2737 X .001586	6087 X .000020	3098 X .000012
21	7592 X .000025	3677 X .000560	4904 X .000011	2753 X .000447	5298 X .000005	3075 X .000007
22	7090 X .000046	3566 X .000658	5743 X .000009	2[illegible] X .000015	5226 X 0	3042 X .000009
23	7481 X .000045	3638 X .000026	5743 X .000009	2873 X .000015	5233 X .000010	3096 X .000007
24	9666 X .001320	3686 X .000110	5484 X .000005	2924 X .000057	5259 X .000012	3064 X .000063
25	7202 X .000008	3669 X .000097	5597 X .000005	2993 X .000126	5379 X .000012	3008 X .000113

Purge Rates
scf/day and Top conc.

YEAR _____ Oct. Nov. Dec.

MONTH	← 312-1	312-3 →	← 312-1	312-3 →	← 312-1	312-3 →
26	8270 X .000135	3551 X .000122	5875 X .000009	3161 X .000923	5070 X .000012	3075 X .000060
27	9418 X .000351	3480 X .000226	5556 X .000009	3025 X .000190	5357 X 0	3030 X .000023
28	8311 X .000786	3224 X .000116	5422 X .000009	3153 X .004160	5357 X 0	3030 X .000023
29	9346 X .000402	3486 X .000128	5588 X .000009	3051 X .000275	5357 X 0	3030 X .000023
30	7897 X .000030	3527 X .000032	5836 X .000009	2993 X .000275	5440 X .000009	3055 X .000270
31	8330 X .000050	3694 X .000026			5820 X .000005	3378 X .000117

31 | 340,908 — 10,997 scf/day
31 | 108,320 — 3,494 scf/day
30 | 239,341 — 7978 scf/day
30 | 90,735 — 3025 scf/day
31 | 183,514 — 5920 scf/day
31 | 98,848 — 3189 scf/day

449,228 | 568.308230 — .0012651 = 126.51 X 10^-5
31 | 449,228 — 14,491 scf/day

330076 | 94.014776 — .0002848 X = 28.483 X 10^-5
30 | 330076 — 11,003 scf/day

282362 | 34.606912 — .00012256 = 12.256 X 10^-5
31 | 282362 — 9108 scf/day

Oct.

312-1 = 10,997 scf/day
312-3 = 3494 " "
Total Purge = 14,491 " "
Mol. % UF6 = 126.51 X 10^-5

Nov.

312-1 = 7978 scf/day
312-3 = 3025 " "
Total Purge = 11,003
Mol. % UF6 = 28.483 X 10^-5

Dec.

312-1 = 5920
312-3 = 3189
Total Purge = 9108.
Mol. % UF6 = 12.256 X 10^-5

3 Months Avg.

312-1 = 8298 scf/day
312-3 = 3236 "
Total Purge = 11,534 "
Mol. % UF6 = 55.750 X 10^-5
Total Purge over Previous Quarter = -30.83
Mol. % UF6 " " = -59.52

Total Purge

Oct. 19,980*
Nov. 22,698*
Dec. 20,470*

* This includes 311-1 Purge Rate

July, Aug, Sept. 1954

Purge Rates

SCF/Day and Top Conc.

YEAR	July		August		September	
MONTH	← 312-1	312-3 →	← 312-1	312-3 →	← 312-1	312-3 →
1	14151 X.000227	2884 X.000020	10850 X.000747	3085 X.000018	12416 X.003348	3273 X.000081
2	14687 X.000177	2625 X.000171	13411 X.000865	3216 X.000016	12070 X.001382	3257 X.000129
3	12174 X.000798	2808 X.000055	12257 X.001363	3092 X.000021	10938 X.000631	3123 X.000116
4	12361 X.000311	2861 X.000073	12545 X.002065	3261 X.000036	11863 X.000506	3134 X.000139
5	12954 X.000079	2817 X.000024	12133 X.000673	3104 X.000044	12178 X.001491	3207 X.000082
6	13945 X.000300	3112 X.000170	10719 X.000463	3100 X.000024	11499 X.000670	3099 X.000077
7	14875 X.000156	2848 X.000160	11133 X.001035	3268 X.000264	13459 X.004068	3128 X.000219
8	14725 X.000165	3056 X.000010	13487 X.001564	3171 X.000046	14778 X.005783	3058 X.000559
9	15292 X.000210	3182 X.000087	11724 X.000332	3341 X.000020	14359 X.005973	3237 X.000552
10	14145 X.000700	2971 X.000010	12425 X.001338	3188 X.000088	16291 X.004290	3404 X.000038
11	16480 X.000075	2897 X.000025	12255 X.001155	3009 X.000036	14560 X.004552	3223 X.000037
12	16123 X.000158	2901 X.000141	10934 X.000169	3442 X.000050	14874 X.003124	3136 X.000051
13	16753 X.000637	2960 X.000026	13307 X.002321	3265 X.000044	13534 X.003741	3457 X.000141
14	16022 X.000051	2927 X.000018	11027 X.000034	3217 X.000023	14615 X.001850	3700 X.000642
15	16522 X.000820	2992 X.000071	10242 X.000185	3197 X.000081	15668 X.004187	3378 X.000645
16	15429 X.000329	2971 X.000297	11295 X.000120	3109 X.000030	14410 X.002947	3483 X.000355
17	15798 X.001004	3100 X.000181	13557 X.001606	3370 X.000[illegible]	14290 X.001103	3235 X.000405
18	17048 X.001012	2782 X.000083	13333 X.002425	3500 X.000033	13874 X.001719	3449 X.000080
19	15908 X.001301	2781 X.000045	14386 X.001356	3246 X.000028	13383 X.000961	3536 X.000007
20	16160 X.001521	2744 X.000080	14921 X.002460	3800 X.000026	13017 X.002946	3229 X.000062
21	14517 X.003416	3000 X.000384	14323 X.003522	4055 X.000123	13087 X.001443	3255 X.000046
22	14168 X.003645	3085 X.000467	11186 X.000716	3974 X.000035	14658 X.001213	3478 X.000019
23	12886 X.002467	2955 X.000037	12835 X.001912	3300 X.000067	14865 X.005014	3305 X.000045
24	13677 X.001338	3031 X.000131	10226 X.000034	3259 X.000089	14262 X.004103	3530 X.000097
25	11740 X.000306	2931 X.000052	13374 X.00[illegible]	3451 X.00[illegible]54	12923 X.002155	3642 X.000149

$26,269.00

YEAR ~ July aug. Sept.

MONTH	← 312-1	312-3 →	← 312-1	312-3 →	312-1	312-3
26	12821 X .003229	2946 X .000057	13629 X .002813	3278 X .000076	12527 X .003005	3505 X .000046
27	12847 X .001239	3044 X .000108	12187 X .002299	3284 X .000207	13059 X .001726	3572 X .004086
28	13618 X .000377	2995 X .000152	12448 X .001097	3186 X .000043	14690 X .000785	3546 X .000469
29	12426 X .000525	2927 X .000071	11584 X .000632	3801 X .000089	13376 X .002693	3486 X .000351
30	12343 X .000249	2985 X .000208	13222 X .001075	3273 X .000067	15194 X .002700	3343 X .000029
31	12416 X .001500	3144 X .000071	12641 X .001043	3188 X .000060	—	—

31 | 445,011 = 14,355 sct/day

31 | 91,262 = 2,944 sct/day

31 | 383,596 = 12,374 sct/day

31 | 102,630 = 3,311 sct/day

30 | 410,717 = 13,691 sct/day

30 | 100,408 = 3347 sct/day

31 | 536,273 = 17,299 sct/day Total Purge

31 | 486,226 = 15,685 Sct/day Total Purge

30 | 511,125 = 17,037 Total Purge sct/day

536,273 | 410.669809 = .00076578 = 76.578 X10^-5 % UF6

486,226 | 530.855571 = .00109179 = 109.179 X10^-5 % UF6

511,125 | 1162.16130 = .00227373 = 227.37 X10^-5 % UF6

July

312-1 = 14,355 Sct/day

312-3 = 2944 " "

Total Purge = 17,299

Mol. % UF6 = 76.578 X10^-5

August

312-1 = 12,374 Sct/day

312-3 = 3311 " "

Total Purge = 15,685 " "

Mol. % UF6 = 109.179 X10^-5

September

312-1 = 13,691 Sct/day

312-3 = 3,347 " "

Total Purge = 17,037 " "

Mol. % UF6 = 227.370 X10^-5

3 months Average

312-1 = 13,473 Sct/day

312-3 = 3,201 " "

Total Purge = 16,674 " "

Mol. % UF6 = 137.719 X10^-5

Total Purge Variation = -0.13

Mol. % UF6 " " " = 419.17

Apr. May, June 54

Purge Rates

SCF/Day and Top. conc.

YEAR 1954 Apr. May June

MONTH	312-1	312-3	312-1	312-3	312-1	312-3
1	11986 X .000126	2688 X .002259	15548 X .000332	2646 X .00003	13,458 X .000140	2654 X .000537
2	12381 X .000729	2725 X .000107	15590 X .000139	2628 X .000047	13,407 X .000249	2927 X .000512
3	12077 X .000387	2501 X .000105	14630 X .000195	2658 X .000167	13,728 X .000222	2711 X .000199
4	11873 X .000129	2535 X .000139	13748 X .000304	2710 X .000141	13619 X .000323	2580 X .000093
5	12047 X .000110	2650 X .000143	14934 X .000377	2892 X .000328	12,183 X .000057	2514 X .000061
6	11863 X .000083	2586 X .000227	15096 X .000325	2872 X .000055	13,016 X .000014	2555 X .000253
7	12330 X .000233	2611 X .000332	15332 X .000490	3074 X .000060	11,878 X .000076	2439 X .000064
8	12601 X .000153	2609 X .000269	15773 X .000754	2955 X .000109	13001 X .000415	2636 X .000213
9	12161 X .000149	2606 X .000033	16955 X .000614	2793 X .000107	11,173 X .000182	3047 X .000136
10	11805 X .000070	2529 X .000138	16397 X .000825	3015 X .000334	11,257 X .000011	3010 X .000229
11	12084 X .000063	2507 X .000085	14343 X .000627	2674 X .000104	14,818 X .000108	2875 X .000678
12	13142 X .000159	2752 X .000333	15107 X .000429	2644 X .000209	13,545 X .000037	2737 X .000672
13	12235 X .000243	2594 X .000166	15569 X .000597	2743 X .000164	14,425 X .000300	2752 X .000072
14	12813 X .000064	2647 X .000088	16092 X .000567	2992 X .000545	14,895 X .000404	2811 X .000181
15	13207 X .000206	2717 X .001329	15419 X .000578	2641 X .000083	13,335 X .000042	3001 X .000095
16	12274 X .000113	2447 X .001074	15667 X .000656	2781 X .000211	13084 X .000045	3027 X .000220
17	14507 X .000135	3179 X .000051	15929 X .000482	2735 X .000230	13082 X .000059	3191 X .000361
18	14607 X .000288	3315 X .000070	13552 X .000347	2550 X .000243	14,281 X .000293	2936 X .000164
19	13549 X .000267	3394 X .000118	13948 X .000279	2375 X .000064	15196 X .000231	3033 X .000028
20	14317 X .000319	3167 X .000128	13699 X .000497	2459 X .000315	15695 X .000335	3100 X .000201
21	13637 X .000276	3700 X .000393	13627 X .000402	2766 X .000321	14072 X .000201	3188 X .000026
22	14867 X .000316	3323 X .000116	14867 X .000152	2921 X .000[illegible]	14349 X .000395	2992 X .000037
23	15715 X .000150	2911 X .000015	14853 X .000407	2356 X .000125	14450 X .000107	3039 X .000303
24	13585 X .000279	2873 X .000043	13413 X .000174	2735 X .000743	14607 X .000141	3079 X .000032
25	15390 X .000079	2939 X .000251	15101 X .000325	2734 X .000500	13604 X .000132	3098 X .000412

YEAR _____

MONTH	312-1	312-3	312-1	312-3	312-1	312-3
26	12416 X .000109	2989 X .003115	14250 X .000070	2787 X .000358	13,559 X .000072	3083 X .000022
27	13566 X .000113	2861 X .000137	17556 X .000337	2828 .000375	13,583 X .000046	3151 X .000044
28	15443 X .000030	2840 X .000190	13558 X .000366	2842 X .000135	14,006 X .000324	3009 X .000294
29	13812 X .000186	2927 X .001587	12890 X .000160	2716 X .000162	13,536 X .000219	2805 X .000175
30	14070 X .000030	2615 X .001306	13071 X .000148	2742 X .000389	12,653 X .000091	2934 X .000061
31			13149 X .000110	2762 X .000222		

30 | 396,369 / 13,212 scf/day 30 | 84,737 / 2,825 scf/day

30 | 481,106 / 16,037 scf/day Total Purge

1,106 | 13.985997 / .00023692 = 23.692 X 10^-5 % UF6

31 | 459,661 / 14,828 scf/day 3 | 85,002 / 2,742 scf/day

3 | 544,667 / 17,570 scf/day Total Purge

544,667 | 203.216781 / .000373102 8 = 37.310 X 10^-5

30 | 407,495 / 13,583 scf/day 30 | 86,919 / 2,897 scf/day

30 | 494,414 / 16,480 scf/day

494,414 | 91.822371 / .000185720 = 18.572 X 10^-5

April

312-1 = 13,212 scf/day

312-3 = 2825 " "

Total Purge = 16,037 " "

Mol. % UF6 = 23.692 X 10^-5

May

312-1 = 14,828 scf/day

312-3 = 2,742 " "

Total Purge = 17,570 " "

Mol. % UF6 = 37.310 X 10^-5

June

312-1 = 13,583 scf/day

312-3 = 2,897 " "

Total Purge = 16,480 " "

Mol. % UF6 = 18.572 X 10^-5

3 months Average

312-1 = 13,874 scf/day

312-3 = 2821 " "

Total Purge = 16,696 " "

Mol. % UF6 = 26.525 X 10^-5

Total Purge over Previous quarter = 18.08%

Mol. % UF6 " " " = -41.29%

Purge Ratio

SCF/Day & Trp Conc.

Jan. 1954 Feb " Mar

YEAR 1954 Jan.

	312-1	312-3	312-1 Feb.	312-3	312-1 Mar	312-3
1	11345 X .000015	2506 X .000312	11962 X .000198	2620 X .000085	13233 X .001026	2649 X .000348
2	10968 X .000014	2298 X .000064	11711 X .000266	2553 X .000065	13717 X .000822	2729 X .000418
3	10698 X .000012	2485 X .000067	12254 X .000950	2331 X .000095	11809 X .000367	2591 X .000080
4	11017 X .000011	2708 X .000508	12445 X .000650	2503 X .000244	12398 X .000581	2636 X .000097
5	11507 X .000311	2870 X .001405	12295 X .000885	2573 X .000082	11849 X .000196	2650 X .000276
6	10518 X .000011	2554 X .000564	12419 X .000260	2650 X .000152	11151 X .000077	2772 X .000696
7	12164 X .000325	2448 X .000201	11342 X .000231	2475 X .000084	11412 X .000023	2804 X .000814
8	10084 X .000213	2375 X .000164	11649 X .000163	2475 X .000096	11781 X .000007	2638 X .000459
9	10936 X .000060	2700 X .000691	11853 X .000470	2725 X .000582	11678 X .000117	2753 X .001556
10	10089 X .000094	2509 X .000071	11080 X .000263	3021 X .000361	12355 X .000376	2600 X .000319
11	11909 X .000383	2488 X .000219	11559 X .002119	2524 X .000138	13082 X .000500	2611 X .000134
12	11928 X .000094	2559 X .000101	8426 X .000589	2952 X .000296	11754 X .000558	2671 X .000765
13	10428 X .000015	2442 X .000068	10778 X .000029	2952 X .000792	10586 X .000028	2441 X .000095
14	12529 X .000448	2583 X .000150	12420 X .000131	2813 X .002667	11128 X .000022	2425 X .000245
15	11406 X .000214	2544 X .000120	11887 X .000749	2788 X .004524	10665 X .000348	2681 X .000439
16	11026 X .000216	2524 X .000205	11116 X .000254	2468 X .000748	12147 X .000069	2681 X .000484
17	11993 X .000488	2510 X .000207	11708 X .000463	2405 X .000017	10950 X .000029	2684 X .000505
18	10595 X .000245	2599 X .000334	8046 X .003260	2462 X .000084	10957 X .000068	2676 X .000440
19	11704 X .000533	2617 X .000145	9883 X .002075	4900 X .001680	11128 X .000087	2603 X .000270
20	11452 X .000240	2614 X .000340	12898 X .002312	2899 X .000173	12343 X .000223	2719 X .000224
21	11626 X .000452	2681 X .000247	13628 X .000396	3063 X .001121	12687 X .000763	2615 X .000496
22	11651 X .000233	2676 X .000080	10699 X .000963	3038 X .001451	10748 X .000669	2661 X .000331
23	11053 X .000066	2442 X .000186	10280 X .001189	2485 X .000422	11477 X .000216	2693 X .000165
24	10347 X .000532	2460 X .000034	10835 X .000180	2583 X .000139	11600 X .000156	2711 X .000086
25	11373 X .000323	2223 X .000042	11274 X .000751	2893 X .000972	11148 X .000107	2741 X .000131

~~Month~~	Jan. 312-1	312-3	Feb. 312-1	312-3	Mar. 312-1	312-3
26	11,412 X .000390	2292 X .000084	11540 X .000149	2532 X .001142	12,456 X .00057	2779 X .000422
27	11405 X .000297	2251 X .000140	11417 X .001088	2556 X .000322	11,539 X .00021	2746 X .000025
28	12101 X .000444	2482 X .000162	12537 X .000770	2725 X .001138	11519 X .000305	2731 X .001095
29	12153 X .000621	2396 X .000091	—	—	11586 X .000072	2715 X .000305
30	10546 X .000269	2483 X .000384	—	—	12012 X .000954	2839 X .000451
31	12210 X .000549	2355 X .000100	—	—	11867 X .000133	2679 X .000305

31 | 350173 / 11,296 scf/day

31 | 77,674 / 2,506 scf/day

31 | 427,847 / 13,802 scf/day Total Purge

427,847 | 113.386906

.000 26502 = 26.502 X 10⁻⁵ ✓ % UF6

28 | 319901 / 11,425 scf/day

28 | 76,970 / 2749 scf/day

28 | 396871 / 14,174 scf/day Total Purge

396,871 | 298.04757

.000 75099 = 75.099 X 10⁻⁵ ✓ % UF6

31 | 364,762 / 11,767 scf/day

31 | 82,924 / 2675 scf/day

31 | 447,686 / 14,441 Total Purge

447,686 | 151.96956 ✓

.000 33946 = 33.95 X 10⁻⁵ ✓ % UF6

Jan.

312-1 = 11,296 scf/Day

312-3 = 2,506 " "

Total Purge = 13,802 " "

Mol. % UF6 = 26.502 X 10⁻⁵ ✓

Feb.

312-1 = 11,425 scf/Day

312-3 = 2,749 " "

Total Purge = 14,174 " "

UF6 % = 75.099 X 10⁻⁵ ✓

Mar.

312-1 = 11,767 scf/Day

312-3 = 2675 scf/Day

Total Purge = 14,441 " "

UF6 % = 33.946 X 10⁻⁵ ✓

3 months average

312-1 = 11,496 scf/Day

312-3 = 2,643 " "

Total Purge = 14,139 " "

Mol. % UF6 = 45.182 X 10⁻⁵ ✓

Total Purge over Previous quarter = 4.06%

Mol. % UF6 " " = [illegible]

Purge Rates
SCT/Day + Top Conc.

YEAR 1953 Oct. Nov. Dec.

MONTH	312-1	312-3	312-1	312-3	312-1	312-3
1	12373X.000332	2327X.000257	10793X.000014	2085X.000121	10500X.000003	2252X.000123
2	12119X.000142	2327X.000321	10912X.000031	2040X.000094	10787X.000027	2286X.000114
3	11481X.000058	2295X.000256	10788X.000055	2105X.000173	11500X.000021	2468X.000157
4	12215X.000153	2345X.000269	10528X.000118	2108X.000116	11887X.000013	2369X.000217
5	11024X.000062	2194X.000126	10557X.000146	2082X.000030	10764X.000007	2447X.000126
6	12180X.000033	2120X.000446	10770X.000137	2073X.000021	11790X.000062	2333X.000264
7	12393X.000115	2106X.000181	11698X.000217	2006X.000010	11188X.000060	2254X.000147
8	11698X.000239	2349X.000375	11132X.000061	2170X.000086	10158X.000005	2324X.000056
9	11842X.000225	2208X.000137	10287X.000151	2085X.000048	11246X.000042	2289X.000166
10	13136X.000368	2503X.000339	11209X.000093	2076X.000028	12546X.000064	2535X.000231
11	11315X.000138	2219X.000088	11392X.000150	2656X.000049	10719X.000012	2239X.000041
12	11983X.000089	2226X.000117	11344X.000103	2558X.000045	10384X0	2263X.000045
13	12454X.000433	2011X.000072	11296X.000056	2460X.000041	10853X.000008	2349X.000169
14	11384X.000235	2115X.000079	14092X.000593	2498X.000024	10767X.000001	2471X.000101
15	11558X.000067	2181X.000315	11917X.000109	2152X.000031	10451X.000001	2245X.000047
16	12016X.000124	2317X.000419	11128X.000032	2289X.000123	11802X.000065	2447X.000083
17	12663X.000369	2387X.000354	11268X.000026	2357X.000098	11090X.000019	2440X.000353
18	11897X.000161	2222X.000172	10719X.000003	2354X.000132	12470X.000035	2188X.000231
19	11244X.000156	2252X.000225	11090X.000011	2263X.000092	11553X.000002	2213X.000048
20	11080X.000018	2280X.000174	11212X.000018	2287X.000152	10845X.000022	2305X.000072
21	11704X.000355	2241X.000087	12053X.000354	2477X.000097	11013X.000013	2334X.000546
22	11465X.000036	2095X.000065	10767X.000036	2249X.000065	10414X.000002	2103X.000207
23	10550X.000017	2129X.000245	12225X.000057	2275X.000448	11119X.000046	2442X.000187
24	11410X.000166	2261X.000099	11455X.000007	2275X.000051	11130X.000016	2512X.000188
25	11860X.000065	2079X.000066	10817X.000005	2144X.000139	11107X.000003	2416X.000258

YEAR _____ Oct Nov Dec

MONTH	312-1	312-3	312-1	312-3	312-1	312-3
26	12847X.000192	2047X.000170	11239X.000001	2187X.000144	11276X.000022	2242X.000211
27	11476X.000109	2081X.000189	10454X.000006	2123X.000070	11037X.000042	2226X.000265
28	11395X.000145	2540X.000341	10728X.000009	2125X.000064	10643X.000013	2067X.000949
29	11816X.000133	2375X.000250	10606X.000013	2289X.000100	10581X.000035	2460X.000096
30	11511X.000199	2454X.000130	10205X.000011	2152X.000109	10595X.000044	2296X.000080
31	10706X.000014	2153X.000095			9899X.000054	2349X.000094

31 | 364,795 / 11,768 scf/day

31 | 69,439 / 2240 scf/day

31 | 434234 / 14,008 Total Purge / Day

434,234 | 74.156985 / .0001 7078 = 17.08 X 10^-5 Mol % UF6

30 | 334681 / 11,156 scf/day

30 | 67,005 / 2234 scf/day

30 | 401,686 / 13,390 Total Purge/Day

401,686 | 37.465652 / .0000 9327 = 9.33 X 10^-5 Mol. % UF6

31 | 342,114 / 11,036 scf/day

31 | 72,164 / 2,328 scf/day

31 | 414,278 / 13,364 Total Purge/Day

414,278 | 22.048290 / .0000 5.322 / 5.32 X 10^-5 Mol. % UF6

Oct.

312-1 = 11,768 scf/day

312-3 = 2240 scf/day

Total Purge = 14,008 " "

% UF6 = 17.08 X 10^-5 Mol. % UF6

Nov.

312-1 = 11,156 scf/day

312-3 = 2234 scf/day

Total Purge = 13,390 " "

% UF6 = 9.33 X 10^-5 Mol. % UF6

Dec.

312-1 = 11,036 scf/day

312-3 = 2328 " "

% UF6 = 5.32 X 10^-5 Mol. % UF6

3 months Average

312-1 = 11,320 scf/day

312-3 = 2267 " "

Total Purge = 13,587 " "

Mol. % UF6 = 10.58 X 10^-5

Purge over Previous Quarter = 11.39%

Mol. % UF6 = - 19.36 - 20.07

Purge Rates

SCF/Day + Inj Conc.

YEAR 1953 Jul. Aug. Sept.

MONTH	312-1	312-3	3121	312-3	312-1	312-3
1	9451 X 0	2940 X .000041	8440 X 0	2362 X .000062	8367 X 0	2510 X .000044
2	9270 X .000011	2463 X .000046	8660 X .000007	2343 X .000041	11934 X .000421	2289 X .000123
3	10220 X .000014	2303 X .000051	8947 X .000033	2384 X .000032	12089 X .000252	2265 X .000124
4	11762 X .000026	2382 X .000039	9741 X .000033	2305 X .000027	11853 X .000138	2301 X .000127
5	8940 X 0	2247 X .000049	8728 X 0	2363 X .000030	11233 X .000253	2238 X .000173
6	8825 X 0	2238 X .000040	8886 X 0	2353 X .000055	11609 X .000253	2371 X .000170
7	8858 X .000007	2241 X .000022	8181 X 0	2342 X .000035	8722 X .000181	2573 X .000167
8	8580 X .000004	2284 X .000031	8577 X .000027	2345 X .000033	12105 X .000147	2611 X .000132
9	12,372 X .000228	2220 X .000041	9796 X .000268	2280 X .000060	10562 X .000078	2304 X .000104
10	9036 X .000055	2161 X .000042	8839 X .000630	2305 X .000024	10181 X .000007	2324 X .000101
11	8854 X .000132	2177 X .000031	8229 X .000048	2290 X .000024	10636 X .000067	2232 X .000238
12	9697 X .000372	2301 X .000029	9095 X 0	2300 X .000024	10761 X .000030	2345 X .000170
13	9439 X .000473	2356 X .000051	7944 X .000014	2334 X .000046	11360 X .000106	2240 X .000133
14	8105 X .000022	2362 X .000045	8259 X 0	2300 X .000030	10287 X .000051	2401 X .000203
15	9193 X .000090	2399 X .000040	9209 X .000424	2331 X .000027	10453 X .000071	2535 X .000216
16	8573 X .000033	2438 X .000073	7978 X 0	2339 X .000035	10994 X .000050	2479 X .000173
17	8745 X .000007	2334 X .000033	9163 X 0	2340 X .000035	11156 X .001746	2387 X .000098
18	9482 X .000036	2338 X .000028	10,295 X 0	2413 X .000030	11520 X .000112	2243 X .000096
19	8632 X .000139	2337 X .000020	8844 X .000070	2313 X .000027	10752 X .000070	2432 X .000162
20	8811 X .000441	2376 X .000044	8251 X 0	2320 X .000030	11070 X .000102	2267 X .000042
21	8246 X .000484	2376 X .000033	8700 X 0	2353 X .000022	11991 X .000253	2515 X .000412
22	9050 X .000580	2460 X .000036	9347 X .000033	2318 X .000030	10738 X .000008	2332 X .000073
23	10,014 X .000770	2441 X .000039	8441 X 0	2293 X .000022	10754 X .000004	2395 X .000093
24	7770 X .000050	2957 X .000165	9270 X .000026	2372 X .000033	10539 X .000155	2384 X .000147
25	9909 X .000037	2420 X .000039	9590 X .000760	2394 X .000035	12233 X .000369	2691 X .000244

Purge Rates

YEAR	July		Scf/Day Aug.		Sept.	
MONTH	312-1	312-3	312-1	312-3	312-1	312-3
26	8041 X 0	2411 X .000045	8859 X .000260	2565 X .000068	15,685 X .000127	2424 X .000129
27	8903 X 0	2379 X .000063	7952 X .000066	2489 X .000064	15,760 X .000016	2378 X .000150
28	9216 X .000200	2355 X .000059	8247 X .000014	2633 X .000054	16,446 X .000188	2513 X .000112
29	8[illegible] X .000554	2542 X .000051	8881 X 0	2603 X .000051	12,090 X .000190	2254 X .000083
30	8157 X 0	2454 X .000074	8464 X .000015	2522 X .000059	11,003 X .000113	2143 X .000177
31	10,140 X .000081	2382 X .000042	8422 X 0	2572 X .000063		

31 | 285,309 — 9204 scf/day

31 | 74014 — 2388 scf/day

31 | 271,205 — 8749 scf/day

31 | 73781 — 2380 scf/day

30 | 344883 — 11,496 scf/day

30 | 71376 — 2379 scf/day

31 | 359323 — 11,591 Total Purge/Day

31 | 344986 — 11,129 Total Purge/Day

30 | 416,259 — 13,875 Total Purge

359,323 | 55.032044 — .00015315 = $15.315 \times 10^{+5}$ mol % UF_6

344986 | 30.989906 — .00008983 = 8.983×10^{5}

416,259 | 75.219224 — .00018073 = 18.073×10^{5}

July

312-1 = 9204 scf/day

312-3 = 2388 " "

Mol % UF_6 = 15.315×10^{-5}

Aug.

312-1 = 8749 scf/Day

312-3 = 2380 " "

Mol % UF_6 = 8.983×10^{-5}

Sept.

312-1 = 11,496 scf/Day

312-3 = 2379 " "

Mol % UF_6 = 18.073

3 months Average

312-1 = 9816 scf/Day

312-3 = 2382 " "

Total Purge = 12,198 " "

Mol. % UF_6 = 14.124×10^{5}

Over Previous Quarter = 0.15

Mol. % UF_6 = -75.95

Purge Rates
SCF/day

YEAR 1953

MONTH	APr 312-1	APr 312-3	MAY 312-1	MAY 312-3	JUNE 312-1	JUNE 312-3
1	10891X.000228	2096X.000160	9013X.000164	2096X.000192	9350X.000068	2121X.000081
2	10430X.000199	1936X.000165	9951X.000616	2104X.000149	10668X.001129	2029X.000065
3	11249X.005590	1911X.000114	10765X.001155	2020X.000124	9892X.000056	2075X.000172
4	11236X.000286	2104X.000306	10959X.000323	2374X.000911	11465X.003424	2368X.000239
5	11236X.000286	2104X.000306	9895X.000017	2392X.001059	10883X.001736	2327X.000209
6	11020X.000161	2203X.000383	9599X.000035	2207X.000965	10313X.000328	2168X.000199
7	10362X.000017	2102X.000213	10765X.002139	2155X.000279	10403X.000782	2137X.000102
8	11195X.001616	2029X.000125	10128X.001000	2244X.000596	9703X.000081	2203X.000222
9	10721X.000105	1997X.000090	10051X.000247	2306X.000286	9617X.000249	2218X.000264
10	10363X.000021	2006X.000098	10606X.000407	2306X.000175	9946X.000054	2230X.000246
11	9379X.000110	2022X.000134	9289X.000029	2320X.000224	9501X.000264	2145X.000161
12	10839X.000495	2482X.001276	9908X.000232	2206X.000271	9743X.000685	2133X.000223
13	10365X.000039	2231X.000529	10458X.000249	2088X.000173	9725X.000216	2111X.000374
14	10729X.001535	2072X.000151	8799X.000118	2203X.000166	8608X.000023	1687X.000450
15	12774X.001528	2228X.000293	10761X.001526	2081X.000302	7815X.000009	1610X.000221
16	10917X.003185	2119X.000161	8942X.000503	2151X.000257	10419X.000083	1965X.000237
17	10591X.000274	2007X.000059	8942X.000503	2151X.000257	8738X.000078	1988X.000262
18	10352X.000039	2070X.000110	11133X.002326	2309X.000594	9382X.000033	1994X.000162
19	10199X.000241	1950X.000064	9829X.000166	2166X.000246	10026X.000033	1990X.000163
20	11317X.001377	2016X.000094	9891X.000015	2224X.000185	9404X.000004	2033X.000323
21	9554X.000009	2025X.000097	9366X.000010	2139X.000166	8941X.000005	2085X.000152
22	10508X.001833	2063X.000102	10057X.001150	2277X.000486	9376X.000008	2072X.000192
23	10808X.001113	2052X.000143	9224X.000010	2165X.000325	9020X.000006	2136X.000245
24	9463X.000009	2080X.000323	9795X.000041	2370X.000409	9340X.000200	1988X.000178
25	9539X.000009	2031X.000188	10877X.000280	2367X.000499	9383X.000334	2229X.000178

Purge Rates
scf/min/day

YEAR	APR		MAY		JUNE	
MONTH	312-1	312-3	312-1	312-3	312-1	312-3
26	923X.000011	1956X.000066	10190X.003630	2289X.000745	10044X.000392	2036X.000186
27	9376X.000022	2105X.000165	10254X.000024	2260X.000461	9295X.000227	1943X.000137
28	9864X.010163	1921X.000096	9636X.000025	2298X.000508	9560X.000064	2030X.000237
29	9741X.000015	1947X.000175	9966X.000637	2227X.000476	9313X.000142	2168X.000292
30	10015X.002417	2139X.000371	10,226X.000529	2383X.000368	8943X.000411	2143X.000162
31			12,352X.004518	2193X.000102		

30 | 314,245 → 10,475 scf/day
30 | 62,004 → 2067
30 | 376,249 → 12,542 Total Purge/day

31 | 311,627 → 10,052
31 | 69,468 → 2241
31 | 381,095 → 12,293 scf/day

30 | 288,816 → 9627 scf/day
30 | 62,371 → 2079
30 | 351,187 → 11,706

376,249 | 266.189547
.000070.748 = 70.75×10^{-5}
mol % of UF_6

381,095 | 260.324768
.000068310 = 68.31×10^{-5}
mol % UF_6

351,187 | 130.3366f9
.00037113 = 37.11×10^{-5}
mol. % UF_6

April
312-1 = 10,475 scf/Day
312-3 = 2067 " "
Mol % UF_6 = 70.75×10^{-5}

May
312-1 = 10,052 scf/day
312-3 = 2241 " "
Mol % UF_6 = 68.31×10^{-5}

June
312-1 = 9627 scf/Day
312-3 = 2079 " "
Mol. % UF_6 = 37.11×10^{-5}

3 month Average
312-1 = 10,051 scf/Day
312-3 = 2129 " "
Total Purge = 12,180 " "
over Previous quarter = 1.63%
Mol. % UF_6 = 58.72×10^{-5}

Purge Rates
SCF/Day

YEAR 1953

MONTH	312-1 JAN.	312-3	312-1 Feb.	312-3	312-1 MAR.	312-3
1	9746 X .000471	1619 X .000049	9336 X 0	1811 X .000071	9546 X .000166	1953 X .000069
2	10,077 X .000099	1582 X .000080	10332 X .000306	1823 X .000088	9022 X .000170	2038 X .000136
3	9472 X .000010	1592 X .000082	9801 X .000501	1708 X .000081	9660 X .000642	1956 X .000083
4	9693 X .000003	1560 X .000065	8618 X .000024	1796 X .000065	10576 X .000101	2093 X .000130
5	9194 X 0	1537 X .000085	10244 X .000249	1865 X .000091	10440 X .000496	2165 X .000167
6	9607 X .000138	1599 X .000077	10482 X .000588	1865 X .000073	10336 X .000137	2162 X .000101
7	10622 X .000718	1585 X .000075	9934 X .000854	1750 X .000061	10107 X .000100	2130 X .000086
8	12863 X .000831	1651 X .000069	10796 X .002126	1759 X .000082	9768 X .000415	2092 X .000101
9	10657 X .000351	1661 X .000104	8998 X .000232	1841 X .000082	9086 X .000636	1932 X .000062
10	9765 X .000192	1653 X .000126	9505 X [illegible]	1769 X .000058	8756 X .000063	2006 X .000072
11	9496 X .000200	1632 X .000096	9566 X .000070	1780 X .000086	10762 X .001099	1982 X .000071
12	11615 X .000146	1775 X .000095	8852 X 0	1879 X .000075	9402 X .000033	1950 X .000084
13	9366 X .000059	1792 X .000078	9497 X .000249	2326 X .000112	9377 X .000002	2102 X .000411
14	9894 X .000213	1680 X .000066	8757 X .000005	1929 X .000196	9366 X .000017	2113 X .000253
15	10296 X .000310	1715 X .000072	9465 X 0	1999 X .000078	9633 X .000004	2257 X .000900
16	9319 X .000085	1626 X .000052	9671 X .000009	1995 X .000105	9802 X .000001	2142 X .000787
17	9010 X 0	1718 X .000124	9936 X .000197	2051 X .000055	10392 X .000046	2166 X .000950
18	10185 X .000240	1653 X .000092	9936 X .000197	2051 X .000055	8023 X .000446	2257 X .000597
19	9965 X .000383	1644 X .000082	10138 X .001043	2055 X .000076	9983 X .000016	2224 X .000994
20	8943 X .000033	1581 X .000088	10277 X .000142	2196 X .000079	10753 X .000723	2132 X .001624
21	9151 X .000310	1590 X .000080	11014 X .000837	1980 X .000082	11261 X .001009	2075 X .000802
22	9155 X .000444	1617 X .000075	9982 X .000041	1991 X .000156	11840 X .001574	2072 X .000397
23	10075 X .000014	1633 X .000065	10616 X .000089	2078 X .000114	13459 X .001525	2196 X .000529
24	9294 X .000265	1782 X .000086	10837 X .000449	2102 X .000083	10701 X .000530	2116 X .001244
25	9258 X .000079	1849 X .000089	10640 X .000513	2120 X .000116	10270 X .000118	2069 X .001267

Purge Rates
scf/lb = 1 day

YEAR 1953

MONTH	← 312-1 JAN. 312-3 →		← 312-1 Feb 312-3 →		← 312-1 MAR 312-3 →	
26	9798 X .000083	1684 X .000086	8657X.000240	2213X.000080	11,157X.000989	2140X.000523
27	9253X.000013	1646X.000083	9426X.000047	1932X.000046	10524X.000677	2224X.001386
28	9759X.000289	1667X.000175	9651X.000102	2265X.000085	11459X.000777	2110X.001225
29	10797X.000457	1758X.000089			15468X.015834	2026X.000459
30	9656X.000010	1798X.000089			13466X.005202	2013X.000182
31	11325X.000083	1884X.000059			10,891X.000228	2096X.000160

31 | 307,336 / 9914 — 31 | 51,763 / 1670

31 | 359099 / 11,584

359,099 | 71.890749 / .000200198 = 20.020 X 10^-5 Mol % of UF6

28 | 274,964 / 9820 — 28 | 54,929 / 1962

28 | 329893 / 11,782 scf/day

100.978391 / 329,893 = .000306 1 = 30.6 X 10^-5 mol % of UF6

31 | 325,286 / 10,493 — 31 | 64,969 / 2096

31 | 390,255 / 12,589

582.773747 = .001493 3 / 390,255 = 149.33 X 10^-5

Jan. 1953

312-1 = 9914

312-3 = 1670

Mol. % UF_6 = 20.020×10^{-5}

Feb.

312-1 = 9820

312-3 = 1962

Mol. % UF_6 = 30.6×10^{-5}

Mar.

312-1 = 10,493

312-3 = 2096

Mol % UF_6 = 149.33×10^{-5}

3 Month Average

312-1 = 10,076

312-3 = 1909

Total Purge = 11,985

over Previous Quota = 3.28%

Mol. % UF_6 = 66.65×10^{-5}