

ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

APPROVED BY: _____ Anna Becalska

CLIENT: Advanced Nutrients

CONTACT: Ann Eastman

BC RESEARCH INC
3650 Westbrook Mall
Vancouver, B.C.
Canada
TEL: (604) 224-4331
FAX: (604) 224-0540



ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
3650 Westbrook Mall
Vancouver, B.C.
Canada
TEL: (604) 224-4331
FAX: (604) 224-0540

APPROVED BY: _____ Anna Becalska

CLIENT: Advanced Nutrients

CONTACT: Ann Eastman



ANALYSIS REPORT

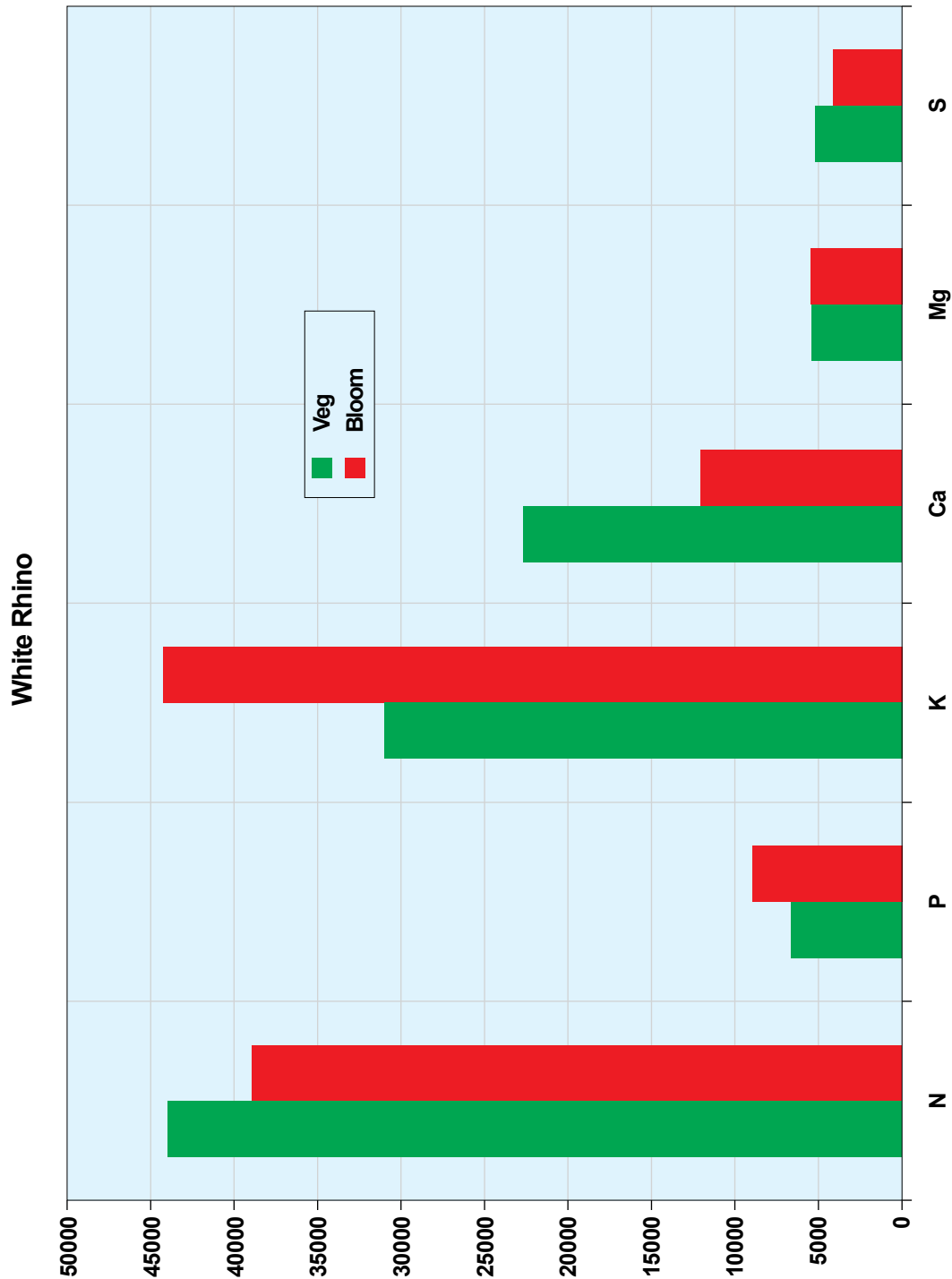
DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
3650 Westbrook Mall
Vancouver, B.C.
Canada
TEL: (604) 224-4331
FAX: (604) 224-0540

APPROVED BY: _____ Anna Becalska

CLIENT: Advanced Nutrients

CONTACT: Ann Eastman



ANALYSIS REPORT

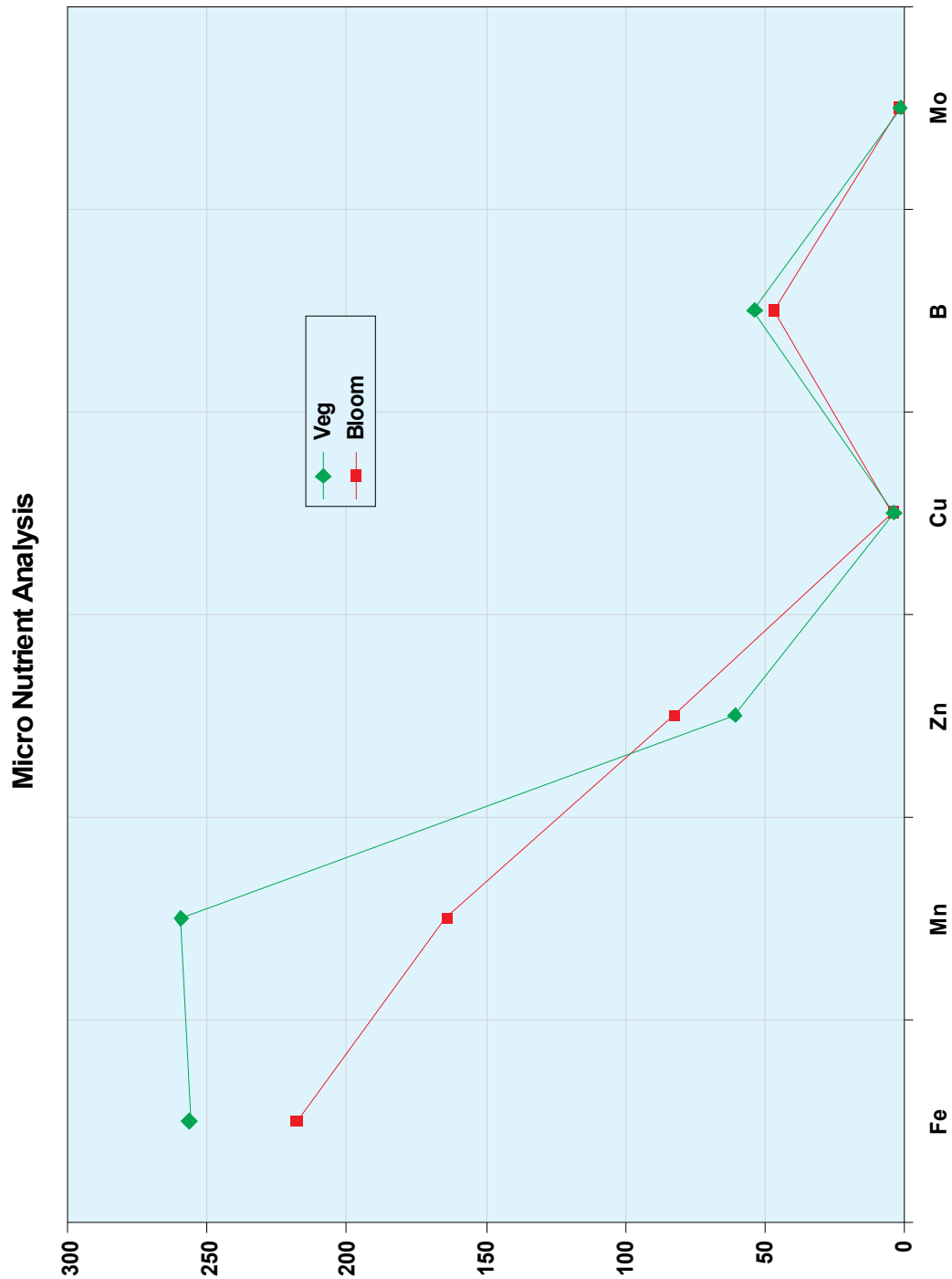
DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
3650 Westbrook Mall
Vancouver, B.C.
Canada
TEL: (604) 224-4331
FAX: (604) 224-0540

APPROVED BY: _____ Anna Becalska

CLIENT: Advanced Nutrients

CONTACT: Ann Eastman



ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
3650 Westbrook Mall
Vancouver, B.C.
Canada
TEL: (604) 224-4331
FAX: (604) 224-0540

APPROVED BY: _____ Anna Becalska

CLIENT: Advanced Nutrients

CONTACT: Ann Eastman

Commercial Confidential
March 7, 2003

TOTAL KJELDAHL NITROGEN - Advanced Nutrients Plant Tissue Samples

Client Sample Info	SAMPLE ID.	BCRI #	SAMPLE WEIGHT (g)	VOLUME 0.1N H2SO4 (mL) 0.05/0.05	%N
	Blank H2SO4 1a (Feb 12/03)	20031375			
	Reference 1 (Feb 12/03)	20031377	0.1266	2.65	2.88
	Reference 2 (Feb 12/03)	20031378	0.1423	3.00	2.90
	CAN - 008a (Feb 14/03)	20031350	0.1142	3.20	3.86
Hash Plant Finish (Reg)	CAN - 009a (Feb 14/03)	20031351	0.1325	3.95	4.12
Hash Plant 6 Jan 21	CAN - 010a (Feb 14/03)	20031352	0.1324	4.40	4.60
Hash Plant 5 Jan 15	CAN - 011a (Feb 14/03)	20031353	0.1360	3.70	3.76
Hash Plant 4 Jan 8	CAN - 012a (Feb 14/03)	20031354	0.1368	4.45	4.51
Hash Plant 3 Reg Jan 1	CAN - 013a (Feb 14/03)	20031355	0.1263	3.55	3.88
Hash Plant 2 Dec 25	CAN - 014a (Feb 14/03)	20031356	0.1237	3.60	4.08
Hash Plant 1 Dec 18	CAN - 015a (Feb 14/03)	20031357	0.1214	3.05	3.46
Hash Plant Veg	CAN - 015a (Feb 14/03) Dup	20031359	0.1365	3.45	3.49
Hash Plant Veg					
Berlin 7 Jan 29 (Day 49)	CAN - 016a (Feb 14/03)	20031358	0.1310	4.45	4.71
Berlin 6 Jan 21	CAN - 017a (Feb 14/03)	20031359	0.1190	3.60	4.18
Berlin 5 Jan 15	CAN - 018a (Feb 14/03)	20031360	0.1248	3.00	3.31
Berlin 4 Jan 8 (Reg)	CAN - 019a (Feb 14/03)	20031361	0.1313	3.65	3.84
Berlin 3 Jan 1	CAN - 020a (Feb 14/03)	20031362	0.1395	3.85	3.82
Berlin 2 Dec 25	CAN - 021a (Feb 14/03)	20031363	0.1281	3.05	3.28
Berlin 1 Dec 18	CAN - 022a (Feb 14/03)	20031364	0.1223	3.75	4.24
Berlin Veg	CAN - 023a (Feb 14/03)	20031365	0.1101	2.65	3.31
White Rhino 56 Days	CAN - 024a (Feb 14/03)	20031366	0.1396	3.95	3.91
White Rhino 7 (40 days Reg)	CAN - 025a (Feb 14/03)	20031367	0.1384	3.60	3.59
White Rhino 6 Jan 21	CAN - 026a (Feb 14/03)	20031368	0.1400	4.30	4.25
White Rhino 5 Jan 15	CAN - 027a (Feb 14/03)	20031369	0.1312	3.70	3.89
White Rhino 4 Jan 8	CAN - 028a (Feb 14/03)	20031370	0.1292	3.65	4.33
White Rhino 3 Jan 1 (Reg)	CAN - 029a (Feb 14/03)	20031371	0.1381	3.80	3.80
White Rhino 2 Dec 25	CAN - 030a (Feb 14/03)	20031372	0.1245	3.30	3.66
White Rhino 1 Dec 18	CAN - 031a (Feb 14/03)	20031373	0.1397	3.60	3.59
White Rhino Veg	CAN - 032a (Feb 14/03)	20031374	0.1402	4.45	4.40
	QCSpeX-NUT Lot#13-64N		100mL	2.05/2.00	28.0mg/L N/27.3mg/L N True=28mg/L N

ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
 3650 Westbrook Mall
 Vancouver, B.C.
 Canada
 TEL: (604) 224-4331
 FAX: (604) 224-0540

APPROVED BY: ____ Anna Becalska

CLIENT:

CONTACT: Ann Eastman

COMMENTS:	Total Metals, Samples Digested 22 Nov 02					
METHODS:	Standard Methods for the Examination of Water and Wastewater					
Client ID:		HB Finish (Reg)	HB 6 Jan 21	HB 5 Jan 15	HB 4 Jan 8	HB 3 Reg Jan 1
BCRI ID#:	DL	20031380	20031381	20031382	20031383	20031384
Prep ID:		CAN – 008b	CAN – 009b	CAN – 010b	CAN – 011b	CAN – 012b
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Ag Silver	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Al Aluminum	1	5	7	9	6	5
As Arsenic	1	<1	<1	<1	<1	<1
B Boron	3	42	43	53	57	61
Ba Barium	0.05	0.93	0.9	1.17	1.42	1.81
Be Beryllium	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bi Bismuth	3	<3	<3	<3	<3	<3
Ca Calcium	1	10500	9850	10800	14500	14900
Cd Cadmium	0.05	0.08	0.08	0.06	0.07	0.07
Co Cobalt	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Cr Chromium	0.3	0.7	0.6	0.6	0.5	0.7
Cu Copper	0.5	5	3.5	3.3	3.7	5.7
Fe Iron	1	292	331	301	235	254
K Potassium	3	36500	46200	55800	44500	45500
Li Lithium	0.5	<0.5	<0.5	<0.5	0.7	<0.5
Mg Magnesium	1	6700	6220	4970	5250	5620
Mn Manganese	0.05	262	234	211	232	226
Mo Molybdenum	0.5	1.2	0.9	0.8	0.8	0.7
Na Sodium	3	42	61	147	116	92
Ni Nickel	0.3	<0.3	<0.3	<0.3	0.3	0.3
P Phosphorous	2	10600	11300	11200	9610	10500
Pb Lead	1	<1	<1	<1	<1	<1
S Sulfur	1	3830	3970	4200	3720	4140
Sb Antimony	1	<1	<1	<1	<1	<1
Se Selenium	1	<1	<1	<1	<1	<1
Si Silicon	3	354	317	304	355	367
Sn Tin	1	2	1	<1	<1	<1
Sr Strontium	0.05	40.6	37.7	35.2	45.9	44.4
Ti Titanium	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tl Thallium	1	<1	<1	<1	<1	<1
U Uranium	30	<30	<30	<30	<30	<30
V Vanadium	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zn Zinc	0.3	100	105	90.2	79.7	90.9

ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
 3650 Westbrook Mall
 Vancouver, B.C.
 Canada
 TEL: (604) 224-4331
 FAX: (604) 224-0540

APPROVED BY: ____ Anna Becalska

CLIENT:

CONTACT: Ann Eastman

					Berlin 7 Jan 29	
Client ID:		HB 2 Dec 25	HB 1 Dec 18	HB Veg	(Day 49)	Berlin 6 Jan 21
BCRI ID#:	DL	20031385	20031386	20031387	20031396	20031388
Prep ID:		CAN – 013b	CAN – 014b	CAN – 015b	CAN – 015b	CAN – 016b
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Ag Silver	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Al Aluminum	1	4	17	28	28	4.5
As Arsenic	1	<1	<1	<1	<1	<1
B Boron	3	51	46	46	47	46
Ba Barium	0.05	1.69	3.39	2.91	2.94	0.84
Be Beryllium	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bi Bismuth	3	<3	<3	<3	<3	<3
Ca Calcium	1	13600	18600	18200	18500	12600
Cd Cadmium	0.05	<0.05	<0.05	0.07	0.08	0.06
Co Cobalt	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Cr Chromium	0.3	0.4	0.8	0.7	0.6	0.8
Cu Copper	0.5	4.2	4.2	4.5	4.8	6.2
Fe Iron	1	162	124	462	469	158
K Potassium	3	35900	34900	34500	35000	43900
Li Lithium	0.5	<0.5	1.8	0.74	0.83	<0.5
Mg Magnesium	1	4660	5180	5400	5490	6400
Mn Manganese	0.05	169	155	287	292	205
Mo Molybdenum	0.5	0.8	0.8	<0.5	<0.5	1.1
Na Sodium	3	60	242	59	65	30
Ni Nickel	0.3	<0.3	0.4	<0.3	<0.3	<0.3
P Phosphorous	2	8300	7240	5250	5300	14300
Pb Lead	1	<1	<1	<1	<1	<1
S Sulfur	1	3550	3660	3580	3570	4720
Sb Antimony	1	<1	<1	<1	<1	<1
Se Selenium	1	<1	<1	<1	<1	<1
Si Silicon	3	379	362	368	458	240
Sn Tin	1	<1	<1	<1	<1	<1
Sr Strontium	0.05	35.1	53.7	57.4	57.7	39.9
Ti Titanium	0.5	<0.5	<0.5	1.5	1.6	<0.5
Tl Thallium	1	<1	<1	<1	<1	<1
U Uranium	30	<30	<30	<30	<30	<30
V Vanadium	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zn Zinc	0.3	74.8	66.2	65.7	67.2	141

ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
 3650 Westbrook Mall
 Vancouver, B.C.
 Canada
 TEL: (604) 224-4331
 FAX: (604) 224-0540

APPROVED BY: ____ Anna Becalska

CLIENT:

CONTACT: Ann Eastman

				Berlin 4 Jan 8	
Client ID:		Berlin 6 Jan 21	Berlin 5 Jan 15	(Reg)	
BCRI ID#:	DL	20031389	20031390	20031391	
Prep ID:		CAN – 017b	CAN – 018b	CAN – 019b	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Ag Silver	0.3	<0.3	<0.3	<0.3	
Al Aluminum	1	9	8	20	
As Arsenic	1	<1	<1	<1	
B Boron	3	42	49	70	
Ba Barium	0.05	0.7	0.92	3.35	
Be Beryllium	0.05	<0.05	<0.05	<0.05	
Bi Bismuth	3	<3	<3	<3	
Ca Calcium	1	6880	8990	20500	
Cd Cadmium	0.05	<0.05	<0.05	<0.05	
Co Cobalt	0.3	<0.3	<0.3	<0.3	
Cr Chromium	0.3	2.8	0.7	0.8	
Cu Copper	0.5	5.5	4.3	6.3	
Fe Iron	1	149	116	178	
K Potassium	3	47300	39800	47600	
Li Lithium	0.5	<0.5	<0.5	0.6	
Mg Magnesium	1	5030	4400	5200	
Mn Manganese	0.05	153	145	199	
Mo Molybdenum	0.5	1.2	1	1.7	
Na Sodium	3	57	72	112	
Ni Nickel	0.3	1.4	<0.3	0.4	
P Phosphorous	2	12200	9440	9170	
Pb Lead	1	<1	<1	<1	
S Sulfur	1	3990	3850	4740	
Sb Antimony	1	<1	<1	<1	
Se Selenium	1	<1	<1	<1	
Si Silicon	3	227	234	404	
Sn Tin	1	<1	<1	2	
Sr Strontium	0.05	39	42	66.8	
Ti Titanium	0.5	<0.5	<0.5	<0.5	
Tl Thallium	1	<1	<1	<1	
U Uranium	30	<30	<30	<30	
V Vanadium	0.5	<0.5	<0.5	<0.5	
Zn Zinc	0.3	92.1	73.4	99.5	

ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
 3650 Westbrook Mall
 Vancouver, B.C.
 Canada
 TEL: (604) 224-4331
 FAX: (604) 224-0540

APPROVED BY: ____ Anna Becalska

CLIENT: Advanced Nutrients

CONTACT: Ann Eastman

COMMENTS:	Total Metals, Samples Digested February 2003					
METHODS:	Standard Methods for the Examination of Water and Wastewater					
						White Rhino
Client ID:		Berlin 3 Jan 1	Berlin 2 Dec 25	Berlin 1 Dec 18	Berlin Veg	56 Days
BCRI ID#:	DL	20031397	20031398	20031399	20031400	20031401
Prep ID:		CAN – 020b	CAN – 021b	CAN – 022b	CAN – 023b	CAN – 024b
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Ag Silver	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Al Aluminum	1	7	4	4	7	7.4
As Arsenic	1	<1	<1	<1	<1	<1
B Boron	3	46	44	47	46	36
Ba Barium	0.05	1.62	2.14	2.25	3.01	0.36
Be Beryllium	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bi Bismuth	3	<3	<3	<3	<3	<3
Ca Calcium	1	14400	17500	19300	23000	5650
Cd Cadmium	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Co Cobalt	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Cr Chromium	0.3	0.5	0.3	0.4	<0.3	0.9
Cu Copper	0.5	5.4	5	4.6	3.5	4.3
Fe Iron	1	149	95	122	88	145
K Potassium	3	40600	41300	36000	26100	45700
Li Lithium	0.5	<0.5	<0.5	0.7	1	<0.5
Mg Magnesium	1	4540	3180	4020	3110	5740
Mn Manganese	0.05	153	77	148	78.2	101
Mo Molybdenum	0.5	1.2	1	1.3	0.9	1
Na Sodium	3	43	38	55	32	41
Ni Nickel	0.3	<0.3	<0.3	<0.3	<0.3	0.3
P Phosphorous	2	8720	7470	7010	4750	10900
Pb Lead	1	<1	<1	<1	<1	<1
S Sulfur	1	3970	3660	3830	3190	4050
Sb Antimony	1	<1	<1	<1	<1	<1
Se Selenium	1	<1	<1	<1	<1	<1
Si Silicon	3	242	105	298	250	102
Sn Tin	1	2	2	2	1	1
Sr Strontium	0.05	46.4	24.9	48.8	29.2	32.7
Ti Titanium	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tl Thallium	1	<1	<1	<1	<1	<1
U Uranium	30	<30	<30	<30	<30	<30
V Vanadium	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zn Zinc	0.3	75.3	62.5	83	60.1	72.3

ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
 3650 Westbrook Mall
 Vancouver, B.C.
 Canada
 TEL: (604) 224-4331
 FAX: (604) 224-0540

APPROVED BY: ____ Anna Becalska

CLIENT: Advanced Nutrients

CONTACT: Ann Eastman

		White Rhino 7	White Rhino 6	White Rhino 5	White Rhino 4	White Rhino 3
Client ID:		(49 days Reg)	Jan 21	Jan 15	Jan 8	Jan 1 (Reg)
BCRI ID#:	DL	20031402	20031403	20031404	20031405	20031406
Prep ID:		CAN – 025b	CAN – 026b	CAN – 027b	CAN – 028b	CAN – 029b
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Ag Silver	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Al Aluminum	1	3	3	6	5	15
As Arsenic	1	<1	<1	<1	<1	<1
B Boron	3	33	37	57	52	65
Ba Barium	0.05	0.82	0.53	0.69	1.14	2.05
Be Beryllium	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bi Bismuth	3	<3	<3	<3	<3	<3
Ca Calcium	1	5400	6460	9960	11900	20100
Cd Cadmium	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Co Cobalt	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Cr Chromium	0.3	0.4	0.5	0.8	0.5	0.8
Cu Copper	0.5	3.8	4.5	4.4	4.3	5.4
Fe Iron	1	152	179	182	251	397
K Potassium	3	46400	45200	43800	48500	48100
Li Lithium	0.5	<0.5	0.51	<0.5	<0.5	0.9
Mg Magnesium	1	5530	5550	6280	5030	6470
Mn Manganese	0.05	97	109	123	139	211
Mo Molybdenum	0.5	0.8	1.1	0.9	1.4	1.1
Na Sodium	3	33	52	47	46	70
Ni Nickel	0.3	<0.3	<0.3	0.3	<0.3	0.5
P Phosphorous	2	10200	10700	10300	8880	8340
Pb Lead	1	<1	<1	<1	<1	<1
S Sulfur	1	3630	4050	4300	3650	4340
Sb Antimony	1	<1	<1	<1	<1	<1
Se Selenium	1	<1	<1	<1	<1	<1
Si Silicon	3	162	79	245	102	284
Sn Tin	1	1	1	1	1	<1
Sr Strontium	0.05	34.3	38.9	47.7	46.2	64.1
Ti Titanium	0.5	<0.5	<0.5	1.08	<0.5	2
Tl Thallium	1	<1	<1	<1	<1	<1
U Uranium	30	<30	<30	<30	<30	<30
V Vanadium	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zn Zinc	0.3	67.8	77.1	76.5	72.6	102

ANALYSIS REPORT

DATE of Analysis: 05 March 2003
DATE of Report: 07 March 2003
PROJECT No.: 8-03-124

BC RESEARCH INC
 3650 Westbrook Mall
 Vancouver, B.C.
 Canada
 TEL: (604) 224-4331
 FAX: (604) 224-0540

APPROVED BY: ____ Anna Becalska

CLIENT: Advanced Nutrients

CONTACT: Ann Eastman

		White Rhino 2	White Rhino 1	White Rhino	White Rhino	
Client ID:		Dec 25	Dec 18	Veg	Veg	
BCRI ID#:	DL	20031407	20031408	20031409	20031410	
Prep ID:		CAN – 030b	CAN – 031b	CAN – 032b	CAN – 032b	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Ag Silver	0.3	<0.3	<0.3	<0.3	<0.3	
Al Aluminum	1	5	4	15	13	
As Arsenic	1	<1	<1	<1	<1	
B Boron	3	43	46	74	74	
Ba Barium	0.05	1.33	1.56	2.37	2.3	
Be Beryllium	0.05	<0.05	<0.05	<0.05	<0.05	
Bi Bismuth	3	<3	<3	<3	<3	
Ca Calcium	1	13700	15300	22800	22500	
Cd Cadmium	0.05	<0.05	<0.05	<0.05	<0.05	
Co Cobalt	0.3	<0.3	<0.3	<0.3	<0.3	
Cr Chromium	0.3	0.9	0.5	0.5	0.5	
Cu Copper	0.5	4.6	4.9	6.2	6.1	
Fe Iron	1	290	295	223	217	
K Potassium	3	38800	39500	31200	31000	
Li Lithium	0.5	0.5	0.8	1.5	1.4	
Mg Magnesium	1	4170	4180	5200	5060	
Mn Manganese	0.05	156	173	204	203	
Mo Molybdenum	0.5	0.9	0.8	0.7	0.9	
Na Sodium	3	38	49	60	46	
Ni Nickel	0.3	<0.3	<0.3	<0.3	<0.3	
P Phosphorous	2	6420	6860	6570	6490	
Pb Lead	1	<1	<1	<1	<1	
S Sulfur	1	3210	3530	5000	4890	
Sb Antimony	1	<1	<1	<1	<1	
Se Selenium	1	<1	<1	<1	<1	
Si Silicon	3	84	219	323	99	
Sn Tin	1	<1	4	2	<1	
Sr Strontium	0.05	43.4	44.3	59.9	58.9	
Ti Titanium	0.5	<0.5	<0.5	<0.5	<0.5	
Tl Thallium	1	<1	<1	<1	<1	
U Uranium	30	<30	<30	<30	<30	
V Vanadium	0.5	<0.5	<0.5	<0.5	<0.5	
Zn Zinc	0.3	72.2	90.5	136	137	



HEDRON ANALYTICAL INC

10471 PALMBERG Rd. RICHMOND, BC, CANADA V6W 1C5

Advanced Nutrients
109-31063 Wheel Ave.
Abbotsford, B.C.
V2T 6H1
Attention: Michael

November 28, 2003

Certificate of Analysis

P.O. 112203a

Data Summary

Advanced Nutrients Tester

Northern Lights #1

CODE	SAMPLE DESCRIPTION	CBD %	CBN %	^9-THC %	THC-A %	TOTAL THC %
AN-1	week 1 vegetive	0.1	0.0	0.1	1.2	1.3
AN-2	week 1 flower	0.1	0.0	0.1	0.9	1.0
AN-3	week 2 flower	0.1	0.0	0.2	1.0	1.2
AN-4	week 3 flower	0.1	0.1	0.1	2.4	2.5
AN-5	week 4 flower	0.5	0.1	0.1	5.2	5.3
AN-6	week 5 flower	0.6	0.1	1.2	14.5	14.5
AN-7	week 6 flower	0.7	1.0	0.3	18.3	18.6
AN-8	week 7 flower	1.0	1.4	0.3	22.6	22.9

BHT listed in the chromatograms is an antioxidant added to one of the solvents and is irrelevant to the results. CBD is a total of CBDA and CBD thus total CBD potential.

Thank you for using Hedron

A. Paul Hornby, Ph.D.

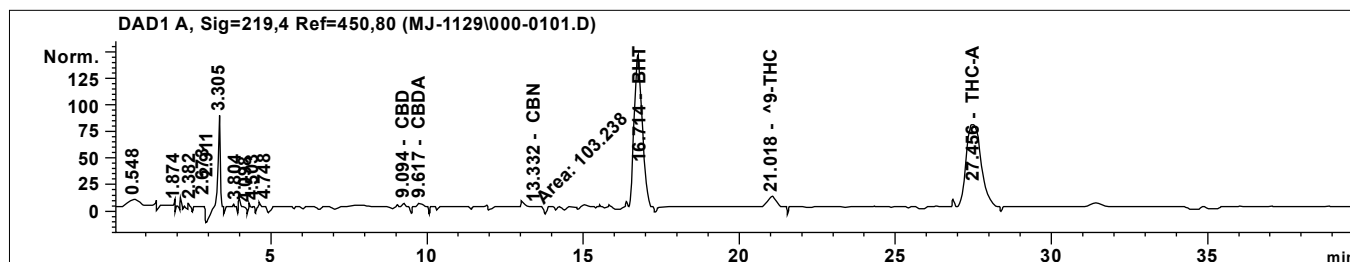
Laboratory Manager

=====

Injection Date	: 11/28/03 5:09:04 PM	Seq. Line	: 1
Sample Name	: NL week 1 veg	Vial	: 0
Acq. Operator	: Felipe	Inj	: 1
		Inj Volume	: 5 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MJ-1A.M		
Last changed	: 11/28/03 5:08:04 PM by Felipe		
Analysis Method	: C:\HPCHEM\1\METHODS\MJ-1A.M		
Last changed	: 11/28/03 5:50:08 PM by Felipe		
	(modified after loading)		

Method for Cannabinoid Analysis: New Zorbax SBC18 Donated by Tom T.
Isocratic. Detection by Diode Array at 219 nm.

=====



=====

External Standard Report

=====

Sorted By : Retention Time
Calib. Data Modified : 11/28/03 12:09:12 PM
Multiplier : 0.2000
Dilution : 100.0000

Signal 1: DAD1 A, Sig=219,4 Ref=450,80

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [%]	Grp	Name
9.094	1	PBA	53.96772	2.61517e-5	2.82269e-2		CBD
9.617	1	VBA	70.14821	2.56423e-5	3.59753e-2		CBDA
13.332	1	MM	103.23608	2.56423e-5	5.29443e-2		CBN
16.714	1	BBA	2615.08569	1.00000e-8	5.23017e-4		BHT
21.018	1	PBA	243.88028	2.56423e-5	1.25073e-1		^9-THC
27.456	1	BBA	2405.05908	2.56423e-5	1.23343		THC-A

Totals: 1.47617

Results obtained with enhanced integrator!

=====

*** End of Report ***

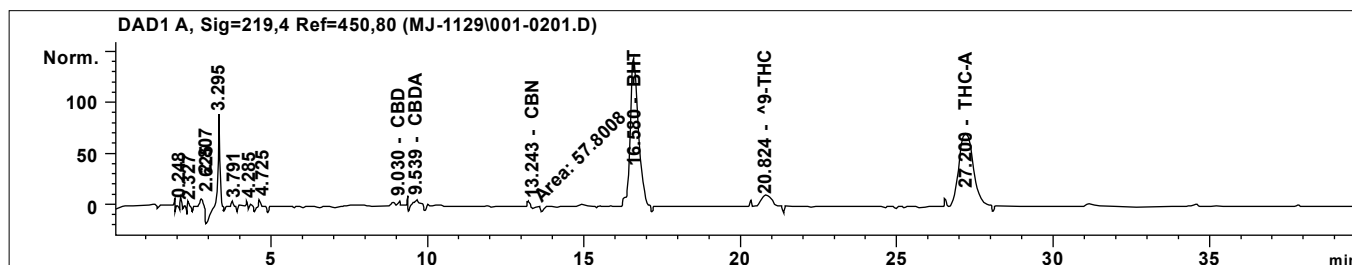
```

=====
Injection Date       : 11/28/03 12:20:46 PM          Seq. Line :    2
Sample Name         : NL week 1 flower              Vial       :    1
Acq. Operator       : Felipe                        Inj        :    1
                                                Inj Volume : 5 µl

Acq. Method         : C:\HPCHEM\1\METHODS\MJ-1A.M
Last changed        : 11/28/03 12:20:48 PM by Felipe
                    (modified after loading)
Analysis Method      : C:\HPCHEM\1\METHODS\MJ-1A.M
Last changed        : 11/28/03 4:21:40 PM by Felipe
                    (modified after loading)

```

Method for Cannabinoid Analysis: New Zorbax SBC18 Donated by Tom T.
Isocratic. Detection by Diode Array at 219 nm.



External Standard Report

```

Sorted By           :      Retention Time
Calib. Data Modified :      11/28/03 12:09:12 PM
Multiplier          :      0.2000
Dilution            :      100.0000

```

Signal 1: DAD1 A, Sig=219,4 Ref=450,80

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [%]	Grp	Name
9.030	1	PBA	31.92193	2.61517e-5	1.66962e-2		CBD
9.539	1	VBA	58.31347	2.56423e-5	2.99059e-2		CBDA
13.243	1	MM	57.80077	2.56423e-5	2.96429e-2		CBN
16.580	1	BBA	2615.11206	1.00000e-8	5.23022e-4		BHT
20.824	1	PBA	246.48412	2.56423e-5	1.26409e-1		^9-THC
27.200	1	BBA	1844.42700	2.56423e-5	9.45909e-1		THC-A

Totals: 1.14909

Results obtained with enhanced integrator!

*** End of Report ***

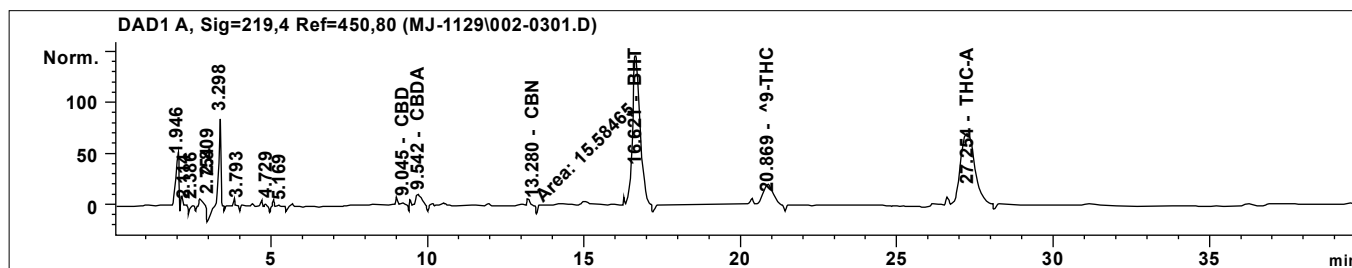
```

=====
Injection Date       : 11/28/03 1:02:33 PM           Seq. Line :    3
Sample Name         : NL week 2 flower              Vial      :    2
Acq. Operator       : Felipe                        Inj       :    1
                                                Inj Volume : 5 µl

Acq. Method         : C:\HPCHEM\1\METHODS\MJ-1A.M
Last changed        : 11/28/03 1:00:57 PM by Felipe
                    (modified after loading)
Analysis Method     : C:\HPCHEM\1\METHODS\MJ-1A.M
Last changed        : 11/28/03 4:33:21 PM by Felipe
                    (modified after loading)

```

Method for Cannabinoid Analysis: New Zorbax SBC18 Donated by Tom T.
Isocratic. Detection by Diode Array at 219 nm.



External Standard Report

```

Sorted By           :      Retention Time
Calib. Data Modified :      11/28/03 12:09:12 PM
Multiplier          :      0.2000
Dilution            :      100.0000

```

Signal 1: DAD1 A, Sig=219,4 Ref=450,80

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [%]	Grp	Name
9.045	1	BBA	20.88305	2.61517e-	1.09225e-2		CBD
9.542	1	PBA	130.38315	2.56423e-	6.68666e-2		CBDA
13.280	1	MM	15.58465	2.56423e-	7.99254e-3		CBN
16.621	1	BBA	2573.67944	1.00000e-	5.14736e-4		BHT
20.869	1	PBA	457.84680	2.56423e-	2.34805e-1		^9-THC
27.254	1	BBA	2028.79016	2.56423e-	1.04046		THC-A

Totals: 1.36156

Results obtained with enhanced integrator!

*** End of Report ***

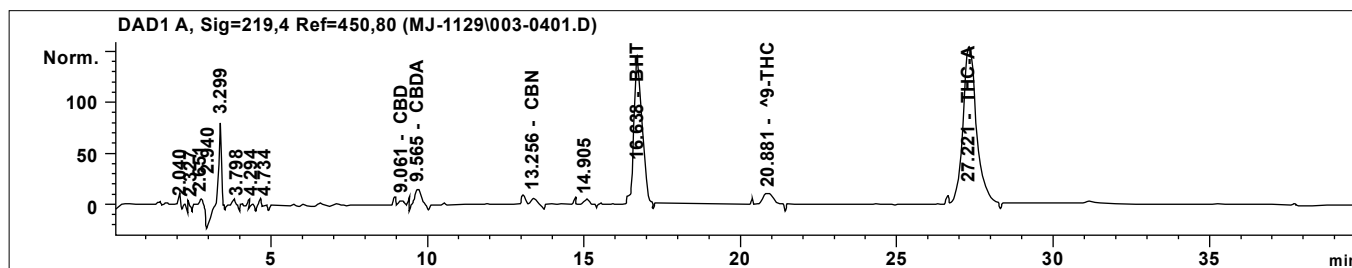
```

=====
Injection Date       : 11/28/03 1:42:24 PM           Seq. Line :    4
Sample Name         : NL week 3 flower              Vial       :    3
Acq. Operator       : Felipe                        Inj        :    1
                                                    Inj Volume : 5 µl

Acq. Method         : C:\HPCHEM\1\METHODS\MJ-1A.M
Last changed        : 11/28/03 1:41:46 PM by Felipe
                    (modified after loading)
Analysis Method      : C:\HPCHEM\1\METHODS\MJ-1A.M
Last changed        : 11/28/03 4:33:21 PM by Felipe
                    (modified after loading)

```

Method for Cannabinoid Analysis: New Zorbax SBC18 Donated by Tom T.
Isocratic. Detection by Diode Array at 219 nm.



External Standard Report

```

Sorted By           :      Retention Time
Calib. Data Modified :      11/28/03 12:09:12 PM
Multiplier          :      0.2000
Dilution            :      100.0000

```

Signal 1: DAD1 A, Sig=219,4 Ref=450,80

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [%]	Grp	Name
9.061	1	PBA	31.12697	2.61517e-5	1.62805e-2		CBD
9.565	1	VBA	194.50293	2.56423e-5	9.97502e-2		CBDA
13.256	1	BBA	101.19268	2.56423e-5	5.18963e-2		CBN
16.638	1	BBA	2492.96509	1.00000e-8	4.98593e-4		BHT
20.881	1	PBA	230.06618	2.56423e-5	1.17989e-1		^9-THC
27.221	1	BBA	4604.78027	2.56423e-5	2.36155		THC-A

Totals: 2.64796

Results obtained with enhanced integrator!

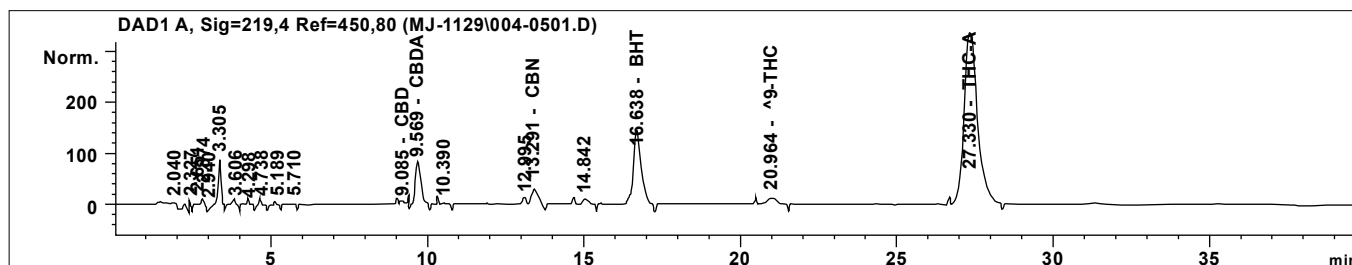
*** End of Report ***

=====

Injection Date	: 11/28/03 2:23:13 PM	Seq. Line	: 5
Sample Name	: NL week 4 flower	Vial	: 4
Acq. Operator	: Felipe	Inj	: 1
		Inj Volume	: 5 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MJ-1A.M		
Last changed	: 11/28/03 2:22:36 PM by Felipe		
	(modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MJ-1A.M		
Last changed	: 11/28/03 4:33:21 PM by Felipe		
	(modified after loading)		

Method for Cannabinoid Analysis: New Zorbax SBC18 Donated by Tom T.
Isocratic. Detection by Diode Array at 219 nm.

=====



=====

External Standard Report

=====

Sorted By : Retention Time
Calib. Data Modified : 11/28/03 12:09:12 PM
Multiplier : 0.2000
Dilution : 100.0000

Signal 1: DAD1 A, Sig=219,4 Ref=450,80

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [%]	Grp	Name
9.085	1	PBA	34.66558	2.61517e-5	1.81313e-2		CBD
9.569	1	VBA	962.50830	2.56423e-5	4.93619e-1		CBDA
13.291	1	VBA	230.05376	2.56423e-5	1.17982e-1		CBN
16.676	1	BBA	2649.05127	1.00000e-8	5.29810e-4		BHT
20.964	1	PBA	248.53271	2.56423e-5	1.27459e-1		^9-THC
27.330	1	BBA	1.01863e4	2.56423e-5	5.22399		THC-A

Totals: 5.98171

Results obtained with enhanced integrator!

=====

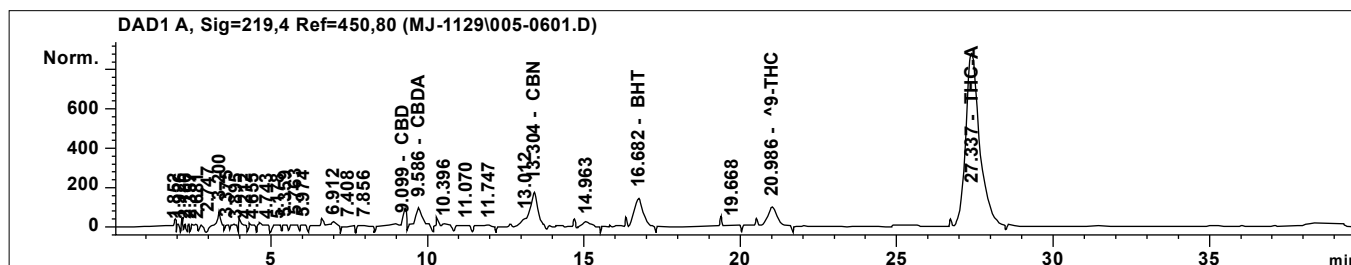
*** End of Report ***

=====

Injection Date	: 11/28/03 3:04:01 PM	Seq. Line	: 6
Sample Name	: NL week 5 flower	Vial	: 5
Acq. Operator	: Felipe	Inj	: 1
		Inj Volume	: 5 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MJ-1A.M		
Last changed	: 11/28/03 3:03:25 PM by Felipe		
	(modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MJ-1A.M		
Last changed	: 11/28/03 4:33:21 PM by Felipe		
	(modified after loading)		

Method for Cannabinoid Analysis: New Zorbax SBC18 Donated by Tom T.
Isocratic. Detection by Diode Array at 219 nm.

=====



=====

External Standard Report

=====

Sorted By : Retention Time
Calib. Data Modified : 11/28/03 12:09:12 PM
Multiplier : 0.2000
Dilution : 100.0000

Signal 1: DAD1 A, Sig=219,4 Ref=450,80

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [%]	Grp	Name
9.099	1	PB	74.37617	2.61517e-5	3.89012e-2		CBD
9.586	1	VBA	1248.97961	2.56423e-5	6.40535e-1		CBDA
13.304	1	VBA	1832.78503	2.56423e-5	9.39938e-1		CBN
16.682	1	BBA	2801.57031	1.00000e-8	5.60314e-4		BHT
20.986	1	PBA	2264.62964	2.56423e-5	1.16141		^9-THC
27.337	1	BBA	2.81953e4	2.56423e-5	14.45985		THC-A

Totals: 17.24119

Results obtained with enhanced integrator!

=====

*** End of Report ***

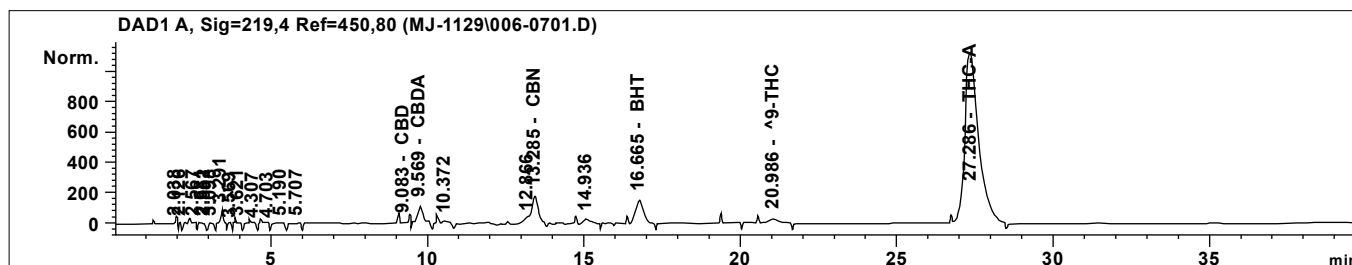
```

=====
Injection Date       : 11/28/03 3:44:51 PM           Seq. Line :    7
Sample Name         : NL week 6 flower              Vial       :    6
Acq. Operator       : Felipe                        Inj        :    1
                                                    Inj Volume : 5 µl

Acq. Method         : C:\HPCHEM\1\METHODS\MJ-1A.M
Last changed        : 11/28/03 4:24:33 PM by Felipe
                    (modified after loading)
Analysis Method      : C:\HPCHEM\1\METHODS\MJ-1A.M
Last changed        : 11/28/03 4:33:21 PM by Felipe
                    (modified after loading)

```

Method for Cannabinoid Analysis: New Zorbax SBC18 Donated by Tom T.
Isocratic. Detection by Diode Array at 219 nm.



External Standard Report

```

Sorted By           :      Retention Time
Calib. Data Modified :      11/28/03 12:09:12 PM
Multiplier          :      0.2000
Dilution            :      100.0000

```

Signal 1: DAD1 A, Sig=219,4 Ref=450,80

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [%]	Grp	Name
9.083	1	PBA	72.23409	2.61517e-5	3.77809e-2		CBD
9.569	1	VBA	1376.20496	2.56423e-5	7.05782e-1		CBDA
13.285	1	VBA	1749.74707	2.56423e-5	8.97352e-1		CBN
16.665	1	BBA	2604.76562	1.00000e-8	5.20953e-4		BHT
20.968	1	PBA	674.85474	2.56423e-5	3.46097e-1		^9-THC
27.286	1	BBA	3.56347e4	2.56423e-5	18.27515		THC-A

Totals: 20.26268

Results obtained with enhanced integrator!

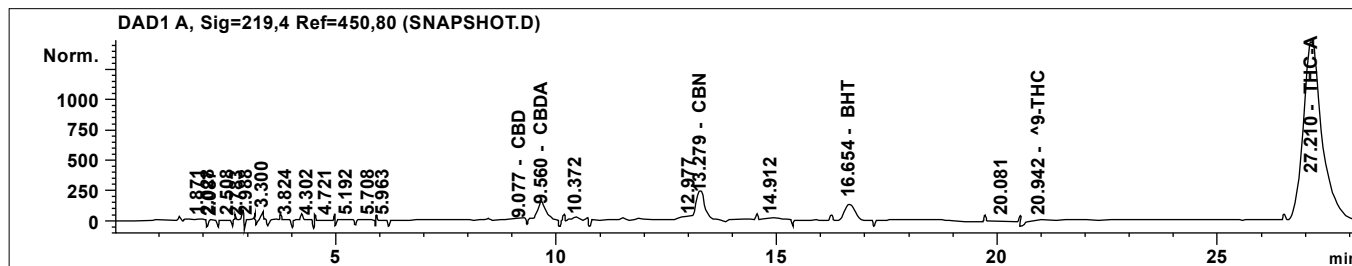
*** End of Report ***

=====

Injection Date	: 11/28/03 4:12:28 PM	Seq. Line	: 8
Sample Name	: NL week 7 flower	Vial	: 7
Acq. Operator	: Felipe	Inj	: 1
		Inj Volume	: 5 µl
Acq. Method	: C:\HPCHEM\1\METHODS\MJ-1A.M		
Last changed	: 11/28/03 4:31:52 PM by Felipe		
	(modified after loading)		
Analysis Method	: C:\HPCHEM\1\METHODS\MJ-1A.M		
Last changed	: 11/28/03 4:33:21 PM by Felipe		
	(modified after loading)		

Method for Cannabinoid Analysis: New Zorbax SBC18 Donated by Tom T.
Isocratic. Detection by Diode Array at 219 nm.

=====



=====

External Standard Report

=====

Sorted By : Retention Time
Calib. Data Modified : 11/28/03 12:09:12 PM
Multiplier : 0.2000
Dilution : 100.0000

Signal 1: DAD1 A, Sig=219,4 Ref=450,80

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [%]	Grp	Name
9.077	1	PB	95.52151	2.61517e-5	4.99610e-2		CBD
9.560	1	VBA	1924.84973	2.56423e-5	9.87153e-1		CBDA
13.279	1	VBA	2730.96509	2.56423e-5	1.40057		CBN
16.654	1	BBA	2580.75903	1.00000e-8	5.16152e-4		BHT
20.942	1	VBA	485.39163	2.56423e-5	2.48932e-1		^9-THC
27.210	1	BBA	4.40752e4	2.56423e-5	22.60383		THC-A

Totals: 25.29096

Results obtained with enhanced integrator!

=====

*** End of Report ***