Referências Bibliográficas

ABNT (1980). NBR 7250/82 – Identificação e Descrição de Amostras de Solo em Sondagens de Simples Reconhecimento dos Solos. Associação Brasileira de Normas Técnicas. Rio de Janeiro, 03p.

AIR PRODUCTS, 2004 Safetygram-18, Carbon Dioxide. Disponível em: <http://www.airproducts.com/Responsibility/EHS/ProductSafety/ProductSafetyInformation/safetygrams.htm>.

AMUNDSON, R. 2001. *The carbon budget in soils. Annual Review of Earth and Planetary Science*, Palo alto, v. 29, p. 535–562.

ANDRIOTTI, J. L. S. 2003. Fundamentos de Estatística e Geoestatística. São Leopoldo, RS, UNISINOS, 1. ed.

ARTS, R.; WINRHAEGEN, P. 2005. *Monitor options for CO2 storage, Carbon Dioxide Capture for Storage in Deep Geologic Formations - Results from the CO2 Capture Project,* v.2: *Geologic Storage of Carbon Dioxide with Monitoring and Verification*, S.M. Benson (ed.), Elsevier Science, London. pp. 1001–1013.

BAPTISTA, M. B.; BRAUN, O. P. G.; CAMPOS, D. A.; PRICE, L. I.; RAMALHO, R.; SANTOS, N. G. 1984. Léxico estratigráfico brasileiro. Brasília: Departamento Nacional da Produção Mineral. 541 p.

BATJES, N. H. 1996. *Total carbon and nitrogen in the soil of the world. European Journal of Soil Science*. Oxford, v. 47, p. 151-163.

BAUBRON, J. C.; ALLARD, P.; TOUTAIN, J. P. 1990. *Diffuse volcanic emissions of carbon dioxide from Vulcano Island*, Italy. Nature, 344: 51-53.

BELLONA Disponível em: <http://www.bellona.org/ccs/Artikler/novel_technologies>. Acessado em: 23/11/2010.

BENSON, S.M.; GASPERIKOVA, E.; HOVERSTEN, G.M. 2004. *Overview of monitoring techniques and protocols for geologic storage projects*, IEA *Greenhouse Gas R&D Programme Report.*

BGS *British Geological Survey.* Disponível em: <http://www.bgs.ac.uk>. Acessado em: 19/11/2010.

BIGARELLA, J. J. 1975. The Barreiras Group em Northeast Brazil. Anais. Acad. Brás. Ciências, v. 47 (Suplementos), p.365-393.

BOURENANNE, H.; KING, D.; CHÉRY, P.; BRUAND, A. 1996. *Improving the kriging of a soil variable using slope gradient as external drift. European Journal of Soil Science,* Oxford, v. 47, p. 473–483.
BOYLE, R. W. 1911. *The solubility of radium emanation. Application of Henrys law at low partial pressures*. Philos. Mag., 22: 840-854.

BRASIL, Ministério das Minas e Energia, 1987. Secretaria Geral. Folha SE 24 Rio Doce: geologia, geomorfologia, pedologia, vegetação e uso potencial da terra. Projeto RADAMBRASIL. Rio de Janeiro, 548p.

BRASIL, Ministério das Minas e Energia, 1977. Secretaria Geral. Folhas SB/SC. 18 Javari/Contamana. Projeto RADAMBRASIL, p.223-225.

BRUNET, D.; BARTH`ES, B.G.; CHOTTE, J.; FELLER, C. 2007. *Determination of carbon and nitrogen contents in Alfisols, Oxisols and Ultisols from Africa and Brazil using NIRS analysis: effects of sample grinding and set heterogeneity*. Geoderma, Amsterdam, v. 139, p. 106–117.

BS 5930:1999 *Code of Practice for Site Investigations. British Standards Institution*, London.

CAMBARDELLA, C.A.; MOORMAN, T.B.; NOVAK, J.M.; PARKIN, T.B.; KARLEN, D.L.; TURCO, R.F. & KONOPKA, A.E. 1994. *Field-scale variability of soil properties in Central Iowa soils. Soil Science Society of America Journal*, v.58, p. 1501-1511.

CCS101 Planned CCS Projects. Saskatchewan Demonstration Facility Project. Disponível em: <http://www.ccs101.ca/Default.aspx?DN=47d6b1e9-b7c0-41cb-be66-231f7bba25f2&l=English&adxPoll=view&PollID=6>.
Acessado em: 07/11/2010.

CHEMICALOGIC Disponível em: <http://www.chemicalogic.com/download/co2_phase_diagram.pdf> .Acessado em: 09/03/2010.

CLEMENTS, W. E.; WILKENING, M. H. 1974. *Atmospheric pressure on 222Rn transport across the earth-air interface*. J. Geophys. Res., 79(33): 5025-5028.

CLESCERI, L.S.; GREENBERG, A.E.; EATON, A.D. 1998. *Standard Methods for the Examination of Water and Wastewater*, 20th Edition. *American Public Health Association*, Washington, DC.

CO2CAPTUREPROJECT Disponível em: <http://www.co2captureproject.org/about_transport.html>. Acessado em: 30/11/2010.

CO2CRC *Cooperative Research Centre for Greenhouse Gas Technologies*. Disponível em: <http://www.co2crc.com.au>. Acessado em: 11/02/09.

CO2-SHIPPING Disponível em: <http://www.co2-shipping.com/>. Acessado em: 30/11/2010.

COMMON, M.; STAGL, S. 2005. *Ecological Economics: An Introduction.* Cambridge University Press, New York.

CONNOR, C.; HILL, B.; LA FEMINA, P.; NAVARRO, M.; CONWAY, M. 1996. *Soil 222Rn pulse during the initial phase of the June-Agugust 1995 eruption of Cerro Negro*, Nicaragüa. J. Volcanol. Geotherm. Res., 73: 119-127.

COX, M. E. 1980. *Ground radon survey of geothermal areas in Hawaii*. Geophys. Res. Lett., 7(4): 283-286.

CZERNICHOWSKI-LAURIOL, I.; SANJUAN, B.; ROCHELLE, C.; BATERMAN, K.; PEARCE, J.; BLACKWELL, P. 1996. *Analysis of the geochemical aspects of the underground disposal of CO2. In: Deep Injection Disposal of Hazardous and Industrial Wastes, Scientific and Engineering Aspects*, J.A. Apps and C.-F. Tsang (eds.), Academic Press, ISBN 0-12-060060-9, pp. 565–583.

DANIELSON, JA (ed.) 1973. Air pollution engineering manual. North Caroline: EPA, p. 815-829.

DAYRELL, R. M. A. 2000. Análise da Variabilidade do Solo em Duas Regiões do Estado do Rio de Janeiro com Auxílio de Métodos Geoestatísticos. 340 f. Tese (Doutorado em Engenharia Civil) - Pontifícia Universidade Católica do Rio de Janeiro.

DELGADO, I.M. et al. 2003. Geotectônica do Escudo Atlântico. p. 227-334. In BIZZI, L. A. SCHOBBENHAUS, C., VIDOTTI, R. M. & GONÇALVES, J. H. (Editores). Geologia, Tectônica e Recursos Minerais do Brasil. CPRM-SGB – Brasília, 674p.

DÖRR, H.; MÜNNICH, K. O. 1987. *Annual variation in soil respiration in selected areas of the temperate zone*. Tellus, 39B, pp 114-121.

DUEÑAS, C.; FERNÁNDEZ, M.C.; CARRETERO, J.; LIGER, E.; PÉREZ, M. 1995. *Emissions of CO2 from some soils*. Department of Applied Physics Faculty of Sciences. University of Málaga. 29071, MÁLAGA, Spain Received 12 October 1994; accepted 14 February 1995.

DUGAS, W. 1993. *Micrometeorological and chamber measurements of CO_2 flux from bare soil*. *Agricultural and Forest Meteorology* Volume 67, Issues 1-2, December 1993, Pages 115-128.

EMBERLEY, S.; HUTCHEON, I.; SHEVALIER, M.; DUROCHER, K.; GUNTER, W.D.; PERKINS, E. H. 2002: *Geochemical monitoring of rock-fluid interaction and CO2 storage at theWeyburn CO2 - injection enhanced oil recovery site, Saskatchewan, Canada. Proceedings of the 6th International Conference on Greenhouse Gas Control Technologies* (GHGT-6), J. Gale and Y. Kaya (eds.), 1–4 October 2002, Kyoto, Japan, Pergamon, v.I, pp. 365–370.

EMBRAPA, Serviço Nacional de Levantamento e Conservação de Solos. 1977-1979. Rio de Janeiro-RJ. Levantamento exploratório-reconhecimento de solos da margem direita do Rio São Francisco, Estado da Bahia. Recife. 737p. 2v. Emprapa-SNLCS. Boletim Técnico, 52; SUDENE. Série Recursos de Solos, 10.

EMBRAPA, Serviço Nacional de Pesquisa de Solos. Levantamento generalizado e semidetalhado de solos da Aracruz Celulose S. A. no estado do Espírito Santo e no extremo sul da Bahia e sua aplicação aos plantios de eucalipto, 2000. Embrapa-Solos, Rio de Janeiro-RJ. Boletim de Pesquisa I.

EXPLORATION ASSOCIATES LIMITED. Tabela de classificação de rochas e solos.

FERREIRA, M. M. 1988. Influência da mineralogia da fração argila nas propriedades físicas de latossolos brasileiros. Viçosa-MG UFV, 79p. Tese (Doutorado em Solos e Nutrição de Plantas) - Universidade Federal de Viçosa.

FIGUEROA, J.D, FOUT, T., PLASYNSKI, S., MCLLURIED, H., SRIVASTAVA, R. D. 2008. *Advances in CO2 Capture technology – The U.S. Department of Energy's Carbon Sequestration Program*, International Journal of Greenhouse Gases control 2, pp.9-20.

FLEISCHER, R. L. 1980. *Radon flux from the earth: methods of measurement by the nuclear track technique*. J. Geophys. Res., 85 (C12): 7553-7556.

GARCÍA-OLIVA, F.; MASERA, O. 2004. *Assessment and measurement issues related to soil carbon sequestration in land-use, land–use change, and forestry (LULUFC) projects under the Kyoto protocol*. Climatic Change, Dordrecht, v.65, p.347–364.

GENÚ, A.M. 2004. Geoestatística multivariada. Escola Superior de Agricultura "Luiz de Queiroz", Departamento de Ciências Exatas, Texto Didático, 17p.2004.

GEO ARIZONA Disponível em: <http://www.geo.arizona.edu/geo5xx/geos577/projects/kayzar/html/lake_nyos_disaster.html>. Acessado em: 03/08/2010.

GEORADAR Disponível em: <http://www.georadar.com.br/geochemical/laboratorio-microbiologia.asp>. Acessado em: 04/11/2010.

GEPROBE Disponível em: <https://geoprobe.com>. Acessado em: 16/11/2010.

GOMES, V. G.; YEE, K. W. K. 2002; *Pressure Swing Adsorption for carbon dioxide sequestration from exhaust gases*. *Separation and Purification Technology*. Vol 28. 161-171.

GUERRA, S. M. G.; GONZALES, M. P. Novas Trajetórias Energéticas 2009. 1. ed. Málaga/ES: eumed.net, 2009. v. 00. 168 p. São Paulo.

GUNTER, W.D.; WONG S.; CHEEL, D.B.; SJOSTROM, G. 1998. *Large CO2 sinks: their role in the mitigation of greenhouse gases from an international, national (Canadian) and provincial (Alberta) perspective*. Applied Energy, 61, 209–227.

GUNTER, W.D.; PERKINS, E.H.; HUTCHEON, I. 2000. *Aquifer disposal of acid gases: Modeling of water-rock reactions for trapping acid wastes*. *Applied Geochemistry*, 15, 1085–1095.

GUNTER, W. D. *Reserch council and the delphi group. Building capacity for CO2 capture and storage in the apec region*. 2005. Disponível em: <www.delphi.ca/apec>. Acessado em: 20/10/2009.

HAMPEL, C. A.; HAWLEY, G. G. 1973. *The encyclopedia of Chemistry* (3rd ed.), Van Nostrand Reinhold, New York.
HAUKSSON, E. 1981. *Episodic rifting and volcanism at Krafla in north Iceland: radon (222) emission from fumaroles near Leirhnjkur*. J. Geophys. Res., 86(B12): 11806-11814.

HEILIGMANN, M.; STIX, J.; WILLIAMS-JONES, G.; SHERWOOD, B.; GARZON, G. 1997. *Distal degassing of radon and carbon dioxide on Galeras volcano,* Colombia. J. Volcanol. Geotherm. Res., 77: 267-283.

HOLFORD, D.; SCHERY, S.; WILSON, J.; PHILIPS, F. 1993. *Modelling radon transport in dry, cracked soil. J. Geophys.* Res., 98(B1): 567-580.

HOVERSTEN, G.M.; GASPERIKOVA, E. 2005. *Non Seismic Geophysical Approaches to Monitoring, Carbon Dioxide Capture for Storage in Deep Geologic Formations - Results from the CO2 Capture Project*, v. 2: *Geologic Storage of Carbon Dioxide with Monitoring and Verification*, S.M. Benson (ed.), Elsevier Science, London. pp. 1071–1112.

IEA GHG, 1999. *The Reduction of Greenhouse Gas Emissions from the Cement Industry*, PH3/7, May, 112 pp.

IEA, 2002: *World Energy Outlook* - 2002. *International Energy Agency of the Organisation for Economic Co-operation and Development (OECD/IEA)*, Paris, France.

IEA, 2003: *CO2 emissions from fuel combustion*, 1971–2001, OECD/IEA, Paris.

IEA, 2004: *The Prospects for CO2 Capture and Storage*, OECD/IEA, 75775 Paris Cedex 16, France, ISBN 92-64-10881-5.

IEA WEO, 2004: *IEA World Energy Outlook 2004*, International Energy Agency, Paris France.

INPE Instituto Nacional de Pesquisas Espaciais 1998. Geoprocessamento para Projetos Ambientais. 2a. Edição - Revisada e Ampliada. SÃO JOSÉ DOS CAMPOS, SP.

IPCC, 2001: *Climate Change* 2001 - Mitigation. *The Third Assessment Report of the Intergovernmental Panel on Climate Change*. B. Metz, O. Davidson, R. Swart, and J. Pan (eds.). Cambridge University Press, Cambridge, UK.

IPCC, 2005: IPCC *Special Report on Carbon Dioxide Capture and Storage*. *Prepared by Working Group III of the Intergovernmental Panel on Climate Change* [Metz, B., O. Davidson, H. C. de Coninck, M. Loos, and L. A. Meyer (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 442 pp.

IPCC 2007. *Special Report on Carbon Dioxide Capture and Storage*. *Prepared by Working Group III of the Intergovernmental Panel on Climate Change* (Metz, B., Davidson, O., Coninck, H., Loos, M., Meyer, L.) Cambridge University Press, Cambridge, UK.

IRWIN, P. W.; BARNES, I. 1980. *Tectonic relations of carbon dioxide discharge and earthquakes*. J. Geophys. Res., 85: 3115-3121.

ISAAKS, E. H.; SRIVASTAVA R. M. *An Introduction to Applied Geostatistics*. New York, Oxford. University Press, 1989. 560p.

ISO 22155:2005 - Soil quality - *Gas chromatographic quantitative determination of volatile aromatic and halogenated hydrocarbons and selected ethers - Static headspace method. International Organization for Standardization,* British Standards Institution, 24p.

ISRAELSSON, S. 1980. *Meteorological influences on atmospheric radioactivity and its effects on the electrical environment. In: Proceedings of the Natural Radiation Environment III* (Eds. T.F. Gesell and W.M. Lowder), U.S. Dep. of Comm. Rep. Conf-780422, National Technical Information Service, Springfield, Va.

JARREL, P.M.; FOX, C.E.; STEIN, M.H.; WEBB, *S.L. 2002: Practical Aspects of CO2 Flooding*. SPE Monograph Series No. 22, Richardson, TX.

JOST, W. 1960. *Diffusion in solids, liquids, gases.* New York, Academic Press. Krishnaswami, S. & Seidemann, D.E. 1988. *Comparative study of 222Rn, 40Ar, 39Ar and 37Ar leakage from rocks and minerals: implications for the role of nanopores in gas transport through natural silicates*. Geochim. Cosmochim. Acta, 52: 655-658.

JOURNEL, A.G., ROSSI, M., 1989. *When do we need a trend in kriging? Mathematical Geology* 21, 715–739.

KETZER, J. M. Brasil quer virar líder em enterro de gás carbônico. São Paulo, jan. 2008. Disponível em: <http://www.folha.uol.com.br>. Acessado em: 08/09/2009.

KING, C. Y. 1980. *Episodic radon changes in subsurface soil gas along active faults and possible relation to earthquakes*. J. Geophys. Res., 85: 3065-3078.

KING, C. Y.; KING, B. S.; EVANS, W. C. 1996. S*patial radon anomalies on active faults in California*. Appl. Geochem., 11: 497-510.

KOHL, Arthur L.; NIELSEN, Richard B. 1997. *Gas Purification* (5th Edition). Elsevier.

KOOTEN, G.C.V.; EAGLE, A.J.; MANLEY, J.; SMOLAK, T. 2004. *How costly are carbon offsets? A meta-analysis of carbon forest sinks*. *Environmental Science & Policy*, Amsterdam, v.7, p.239-251.

KOTTEGODA, N. T.; ROSSO, R. 1998. Statistics, *Probability and Reliability Methods for Civil and Environmental Engineers*. McGraw-Hill International Editions. Civil Engeneering Series. Singapura.
KRAJEWSKI, S.A.; GIBBS, B.L. 1966. *Understanding Contouring: A pratical Guide to Spatial Estimation and Contouring Using a Computer and Basics of Using Variograms: Gibbs Associates*. Oxford, 130p.

KRISTIANSSON, K.; MALMQVIST, L. 1982. *Evidence for nondiffusive transport of Rn-222 in the ground and a new physical model for the transport*. Geophysics, 47(10): 1444-1452.

LACKNER, K. L.; *A Guide to CO2 Sequestration*. Vol. 300, no. 5626. Science 13/06/2003

LAL, R. 2004. *Soil carbon sequestration to mitigate climate change*. Geoderma, Amsterdam, v. 123, p. 1-22.

LANDIM, P.M.B. 2000. Introdução aos métodos de estimação espacial para confecção de mapas. 20 p. Rio Claro: UNESP. Disponível no formato PDF (Adobe Acrobat®) em <http://www.rc.unesp.br/igce/aplicada/textodi.html>. (Texto Didático 02, interpo.pdf).

LICKS, L. A. S. 2008. Avaliação do processo de captura de dióxido de carbono por absorção química visando a aplicação em termelétricas a carvão no Brasil. Dissertação (Mestrado em Engenharia e Tecnologia de Materiais). Porto Alegre.

LIMA, C. C. U. 2002. Caracterização sedimentológica e aspectos neotectônicos do Grupo Barreiras no litoral sul do Estado da Bahia. 2002. 141 f. Tese (Doutorado) - Instituto de Geociências, Universidade Federal da Bahia, Salvador.

LIPPMANN, M.J.; BENSON, S.M. 2003. *Relevance of underground natural gas storage to geologic sequestration of carbon dioxide. Department of Energy's Information Bridge.* http://www.osti.gov/ dublincore/ecd/servlets/purl/813565-MVm7Ve/native/813565. pdf, U.S. Government Printing Office (GPO).

LUÍS, M. C. M. 2002. *Variación espacio-temporal del nivel de emisión de radón en una zona volcánica activa: Tenerife (Islas Canarias)*. Universidad de la Laguna. Departamento de Edafología e Geologia. Espanha.

LYNGFELT, A, and Thunman, H., 2004. *Chemical-looping combustion: Design, construction and 100 h of operational experience of a 10 kW prototype.* Vol. 1 – *Capture and Separation of Carbon Dioxide From Combustion Sources*. Ed.: Thomas, D. Elsevier Science, London.

MAGNAVITA, L. P , SILVA, R. R. DA, SANCHES, C. P. 2005. Guia de Campo da Bacia do Recôncavo, NE do Brasil B. Geoci. Petrobras, Rio de Janeiro, v. 13, n. 2, p. 301-334, maio/nov.

MANDARI, E.B.; REEVES, J.B.; COELHO, M.R.; MACHADO, P.L.O.A.; DE-POLLI, H. 2005. *Mid- and near-infrared spectroscopic determination of carbon in a diverse set of soils from the Brazilian national soil collection. Spectroscopy Letters*, New York, v. 38, p. 721-740.

MASTERS, G. M. 1997. *Introduction to Environmental Engineering and Science*. Ed. 2. Stanford University. Prentice Hall Upper Saddle River, New Jersey.

McBRATNEY, A.B.; WEBSTER, R. 1983. *How many observations are needed for regional estimation of soil properties? Soil Science*, Baltimore, v.135, n.3, p.177-183, 1983.

MILES, N.; DAVIS, K.; WYNGAARD, J. 2005. *Detecting Leaks from CO2 Reservoirs using Micrometeorological Methods, Carbon Dioxide Capture for Storage in Deep Geologic Formations - Results from the CO2 Capture Project*, v. 2: *Geologic Storage of Carbon Dioxide with Monitoring and Verification*, S.M. Benson (ed.), Elsevier Science, London. pp.1031–1044.

MINASNY, B.; MCBRATNEY, A.B.; TRANTER, G.; MURPHY, B.W. 2008. *Using soil knowledge for evaluation of mid-infrared diffuse reflectance spectroscopy for predicting soil physical and mechanical properties. European Journal of Soil Science*, Oxford, v. 59, p. 960-971.

MOBERG, R.; STEWART, D.B.; STACHNIAK, D. 2003. *The IEA Weyburn CO2 Monitoring and Storage Project. Proceedings of the 6th International Conference on Greenhouse Gas Control Technologies* (GHGT-6), J. Gale and Y. Kaya (eds.), 1–4 October 2002, Kyoto, Japan, 219–224.

MOGRO-CAMPERO, A.; FLEISCHER, R. L. 1977. *Subterrestrial fluid convection: a hypothesis for long-distance migration of radon within the earth*. Earth Planet. Sci. Lett., 34: 321-325.

MOREIRA, C. S. 2010. Estoques de carbono do solo em áreas de reflorestamento: Bases para projetos de Mecanismos de Desenvolvimento Limpo. Tese (Doutorado - Programa de Pós-Graduação em Ciências. Área de concentração: Química na Agricultura e no Meio Ambiente) - Centro de Energia Nuclear na Agricultura da Universidade de São Paulo.

NASA *Earth Observartory The Carbon Cycle.* Disponível em: <http://earthobservatory.nasa.gov/Features/CarbonCycle/carbon_cycle4.php>. Acessado em: 22/02/2010.

NAZAROFF, W. W.; FEUSTEL, H.; NERO, A.; REVZAN, K.; GRIMSRUD, D. T.; ESSLING, M. A.; TOOHEY, R. E. 1985. *Radon transport into a detached one-story house with basement. Atmos*. Environ., 19: 31-46.

NAZAROFF, W. W.; MOED, B. A.; SEXTRO, R. G. 1988. *Soil as sorce of indoor Radon: generation, migration and entry. In Radon an hits decay products in indoor air.* Ed. By W. W. Nazaroff y A. V. Nero Jr, Jonh Wiley and Sons, New York, pp. 57-112.

NAZAROFF, W. W. 1992. Radon transport from soil to air. Reviews of Geophysics, v. 30, p. 137-160.

NELSON, D.W.; SOMMERS, L.E. 1996. *Total carbon, organic carbon and organic matter*. *Madison, Soil Science Society of America.* p.961-1010. Press F., siever r., Grotzinger J. Jordan T.h. (2006). Para entender a Terra. 4 ed. Porto alegre: Bookman. 656p.

NIMZ, G.J.; HUDSON, G.B. 2005. *The use of noble gas isotopes for monitoring leakage of geologically stored CO2, Carbon Dioxide Capture for Storage in Deep Geologic Formations—Results from the CO2 Capture Project, v. 2: Geologic Storage of Carbon Dioxide with Monitoring and Verification S.M. Benson* (ed.), Elsevier Science, London,. pp. 1113–1130.

OLEA, R.A. 1991. *Geostatistical glossary and multílingual dictionary*. Oxford University Press, New York. 175p.
OLIVEIRA, A. P. 2007. Pedogênese de Espodossolos em Ambientes da Formação Barreiras e de Restinga do sul da Bahia. Dissertação (Mestrado em Solos e Nutrição de Plantas) - Universidade de Viçosa-MG.

OLIVER, M.A.; WEBSTER, R. 1991. *How geostatistics can help you. Soil Use and Management*, New York, v. 7, p. 206-217.

OSKARSSON, N.; PALSSON, K.; OLAFSSON, H.; FERREIRA, T. 1999. *Experimental monitoring of carbon dioxide by low power IRsensors; Soil degassing in the Furnas volcanic centre*, Azores. *Journal of Volcanology and Geothermal Research*, 92(1–2), 181–193.

OWCZARSKI, P. C.; HOLFORD, D. J.; FREEMAN, H. D.; GEE, G. W. 1990. *Effects of changing water content and atmospheric pressure on radon flux from surfaces of five soil types.* Geophys. Res. Lett., 17(6): 817-820.

PEIXOTO, E. M. A. 1997. Elemento Químico Carbono. Química Nova na Escola, Número 5, USP, São Paulo - SP.

PESSOA, T. 2009. Técnicas de sequestro de carbono geológico e consumo de energia. Projeto Final de Curso. Pontifícia Universidade Católica do Rio de Janeiro.

PICKLES, W.L. 2005. *Hyperspectral geobotanical remote sensing for CO2, Carbon Dioxide Capture for Storage in Deep Geologic Formations - Results from the CO2 Capture Project*, v.2: *Geologic Storage of Carbon Dioxide with Monitoring and Verification*, S.M. Benson (ed.), Elsevier Science, London, pp. 1045–1070.

RICE, S.A. 2004. *Human health risk assessment of CO2: survivors of acute high-level exposure and populations sensitive to prolonged low level exposure*. Poster 11-01 presented at 3rd *Annual conference on carbon sequestration*, 3-6 May 2004, Alexandria, VA, USA.

ROBERTSON, G.P.; KLINGENSMITH, K.M.; KLUG, M.J.; PAUL, E.A.; CRUM, J.R.; ELLIS, B.G. 1997. *Soil resources, microbial activity, and primary production across an agricultural ecosystem. Ecological Applications*, Washington, v. 7, p. 158–170.

ROCHA, P.S.; SOUZA, A. O. de A. B.; CÂMARA, R. J. B. 2002 O futuro da Bacia do Recôncavo, a mais antiga província petrolífera brasileira. Bahia Análise & Dados. Vol 11, Nº4, pp. 32-44.

SALVIANO, A.A.C. 1996. Variabilidade de atributos de solo e de c*rotalaria juncea* em solo degradado do município de Piracicaba-SP. Piracicaba, 91p. Tese (Doutorado) - Escola Superior de Agricultura "Luiz de Queiroz", Universidade de São Paulo.

SCCS Scottish Centre for Carbon Storage, 2009. *Opportunities for CO2 Storage around Scotland*. Disponível em: <www.geos.ed.ac.uk/sccs/regional-study/CO2-JointStudy-Full.pdf>. Acessado em: 17/04/2010.

SCHERY, S. D.; GAEDDERT, D. H. 1982. *Measurements of the effect of cyclic atmospheric pressure variation on the flux of 222-Rn from the soil. Geophys. Res. Lett.*, 9(8): 835-838.

SCHERY, S. D.; PETSCHEK, A. G. 1983. *Exhalation of radon and thoron: the question of the effect of thermal gradients in soil*. Earth Planet. Sci. Lett., 64.
SCHERY, S. D.; GAEDDERT, D. H.; WIKENING, M. H. 1984. *Factors affecting exhalation of radon from a gravelly sandy loam.* J. Geophys. Res., 89: 7299-7309. Holford, D.; Schery, S.; Wilson, J.; Philips, F. (1993). *Modelling radon transport in dry, cracked soil.* J. Geophys. Res., 98(B1): 567-580.

SCHOBBENHAUS, C.; CAMPOS, D. A.; DERZE, G. R.; ASMUS, H. E. 1984. Geologia do Brasil: texto explicativo do mapa geológico do Brasil e da área oceânica adjacente incluindo depósitos minerais, escala 1:2.500.000. Brasília: DNPM.

SCHUMANN, R. R.; OWEN, D. E.; ASHER-BOLINDER, S. 1992. *Effects of weather and soil characteristics on temporal variations in soil gas concentrations. In: Geologic Controls on Radon* (A.E. Gates and L.C. Gundersen Eds.), Geol. Soc. Amer., Spec. Pap. 271: 65-72.

SCOTTISH CARBON CAPTURE AND STORAGE Disponível em: <http://www.geos.ed.ac.uk/sccs/capture/postcombustion.html>. Acessado em: 21/11/2010.

SEED, Energia e Mudança do Clima Global. Captura e Armazenamento deDióxido de Carbono. Disponível em: <https://www.planetseed.com/node/15884>. Acessado em 21/11/2010.

SHAPIRO, M. H.; MELVIN, J. D.; TOMBRELLO, T. A.; WHITCOMB, J. H. 1980. *Automated radon monitoring at a hard rock site in the southern California traverse ranges*. J. Geophys. Res., 85: 3058-3064.

SHAPIRO, M. H.; MELVIN, J. D.; TOMBRELLO, T. A.; FONG-LIANG, J.; GUIRI, L.; MENDENHAL, M. H.; RICE, A.; EPSTEIN, S.; JONES, V. T.; MASDEA, D.; KURTZ, M. 1982. *Correlated radon and CO2 variations near the San Andreas Fault*. Geophys. Res. Lett., 9(5): 503-506.

SHLER, P.; TANG, Y. 2005. *Atmospheric CO2 monitoring systems, Carbon Dioxide Capture for Storage in Deep Geologic Formations—Results from the CO2 Capture Project,* v. 2: *Geologic Storage of Carbon Dioxide with Monitoring and Verification*, S.M. Benson (ed.), Elsevier Science, London, pp. 1015–1030.

SILVA, A.P. 1988. Variabilidade espacial de atributos físicos do solo. Piracicaba, 1988, 105p. (Doutorado - Escola Superior de Agricultura "Luiz de Queiroz/USP).

SOARES, J. B.; CASIMIRO, A. R. S.; AGUIAR, L. M. B. A. 1987. Microbiologia Básica. Edições UFC. Fortaleza-Ce.

STEINITZ, G.; LANG, B.; VULKAN, U.; AVNI, Y. 1995. *Temporal variation of the radon flux in syenitic rocks along the Ramon Fault, Makhtesh Ramon*, *Israel. Isr. Geol. Surv. Rep*. GSI/41/95, ZD/181/95, 14 pp.

SUGISAKI, R.; IDO, M.; TAKEDA, H.; ISOBE, Y.; HAYASHI, Y.; NAKAMURA, N.; SATAKE, H.; MIZUTANI, Y. 1983. *Origin of hydrogen and carbon dioxide in fault gases and its relation to fault activity*. J. Geol., 91: 239-258.

SUPERCRYO Disponível em: <http://supercryo.tradeindia.com/>. Acessado em 30/11/2010.

TANNER, A. B. 1964. *Radon migration in the ground: A review. In: The Natural Radiation Environment, Symposium Proceedings, Houston, Texas*, (John A.S. Adams and Wayne M. Lowder Eds.), University Chicago Press, Chicago, Ill., 161-190.
TANNER, A. B. 1980. *Radon migration in the ground: A suplementary review. In: The Natural Radiation Environment III, Symposium Proceedings* (T.F. Gesell and W.M. Lowder, Eds.), Houston, Texas, Rep. CONF-780422. U.S. Dep. of Energy, Washington, D.C., 5-56.

TENG, T. L. 1980. *Some recent studies on groundwater radon content as an earthquake precursor*. J. Geophys. Res., 85: 3089-3099.

TISLEY, J. E., 1992. *Radon: Sources, hazards and control*. Geosci. Can., 19: 163-167.

TRANGMAR, B.B.; YOST, R.S.; WADE, M.K. & UEHARA, G. 1985. A*pplications of geostatistics to spatial studies of soil properties*. Adv. Agron., 38:45-94.

UNEP *United Nations Environment Programme*: T*ext of the Basel Convention and Decisions of the Conference of the Parties* (COP 1 to 5) 2000. United Nations Publications, Switzerland.

VIEIRA, S. R. et al. 1983. *Geostatistical theory and application to variability of some agronomical properties*. Hilgardia, Berkeley, v. 51, n. 3, p. 1-75.

VILAS BOAS, G. S. 1996. Sedimentos Terciários e Quaternários do Interior. In: BARBOSA, J. S. F.; DOMINGUEZ, J. M. L. Geologia da Bahia: Texto Explicativo para o mapa geológico ao milionésimo. Salvador: Secretaria da Indústria, Comércio e Mineração. Superintendência de Geologia e Recursos Minerais, 400p.

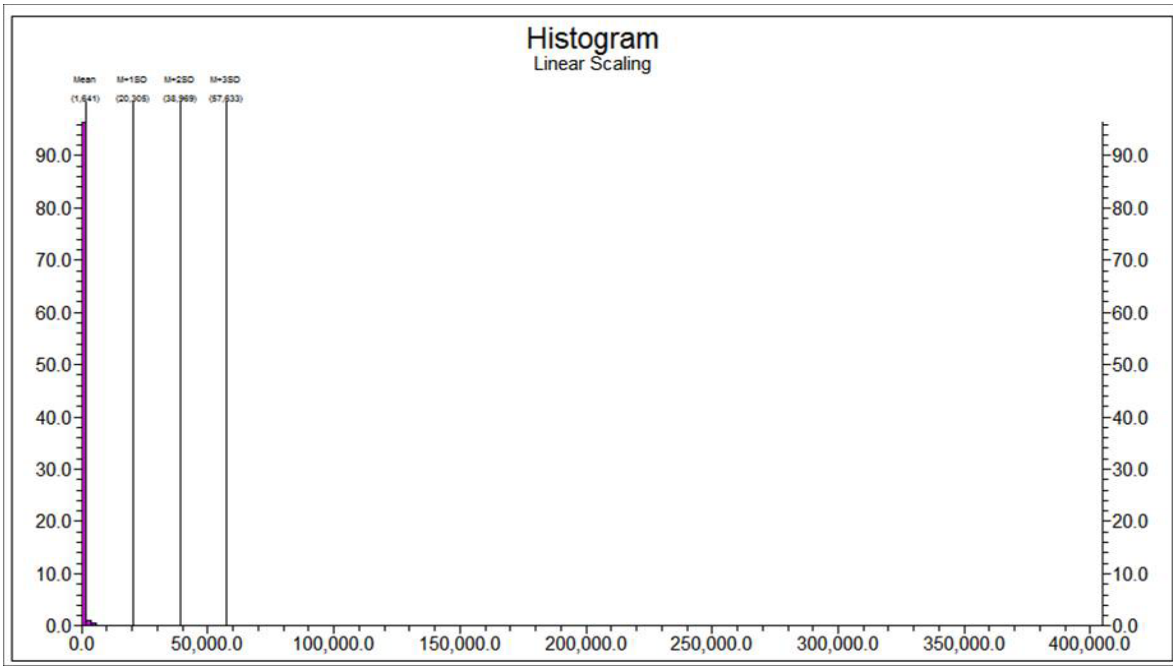
WILLIAMS, S. N. 1985. *Soil radon and elemental mercury distribution and relation to magmatic resurgence at Long Valley Caldera. Science*, 229: 551-553.

WILSON, M.; MONEA, M. 2005. IEA GHG *Weyburn Monitoring and Storage Project, Summary Report*, 2000-2004. *Petroleum Technology Research Center*, Regina SK, Canada. *In: Proceedings of the 7th International Conference on Greenhouse Gas Control Technologies* (GHGT-7), Vol. III, September 5–9, Vancouver, Canadá.

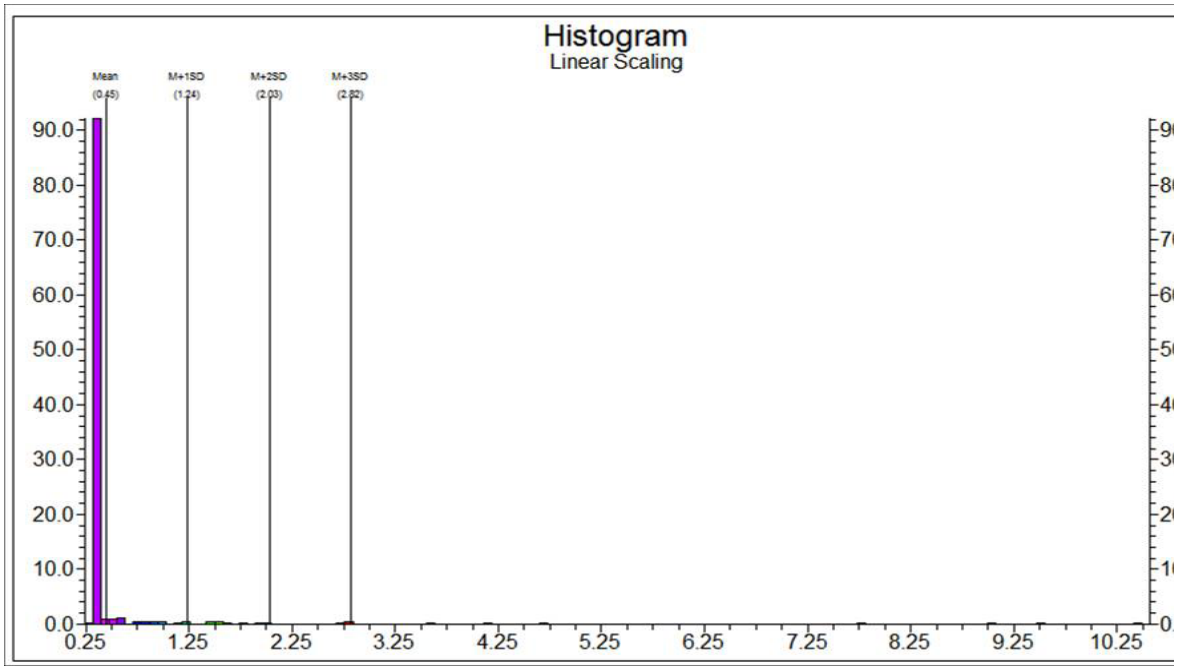
WRINGHT, G.; MAJEK, 1998: *Chromatograph, RTU Monitoring of CO2 Injection. Oil and Gas Journal*, July 20.

APÊNDICE I

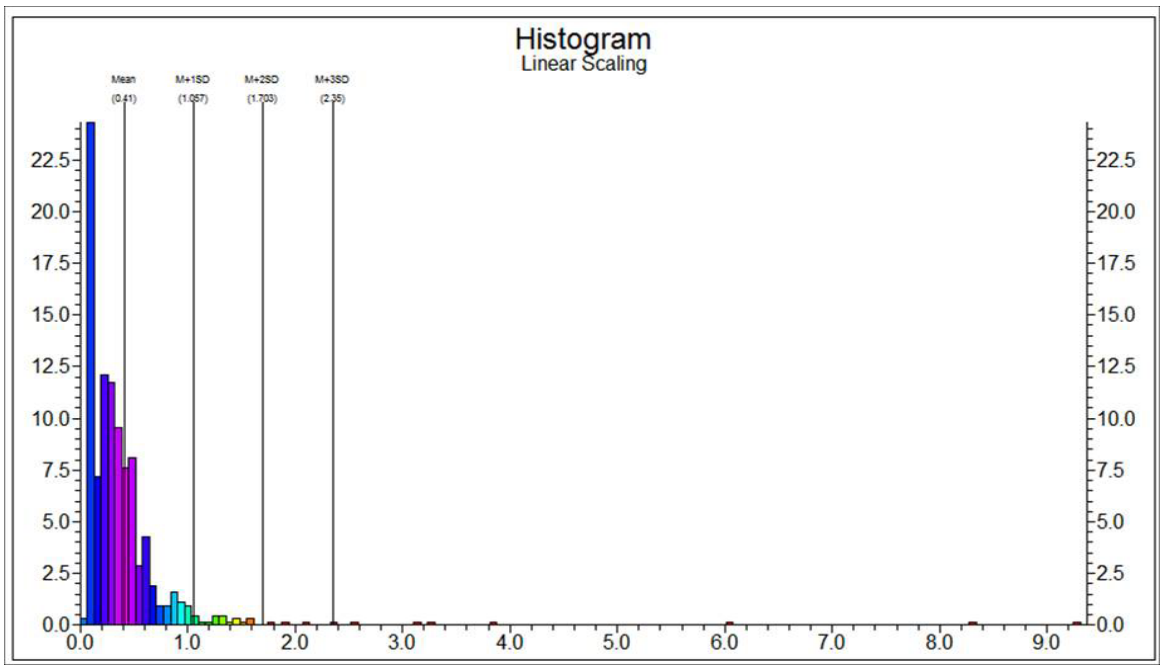
As figuras abaixo representam os histogramas dos dados de gasometria. Para a elaboração desses histogramas foi utilizado o programa RockWorks 15.



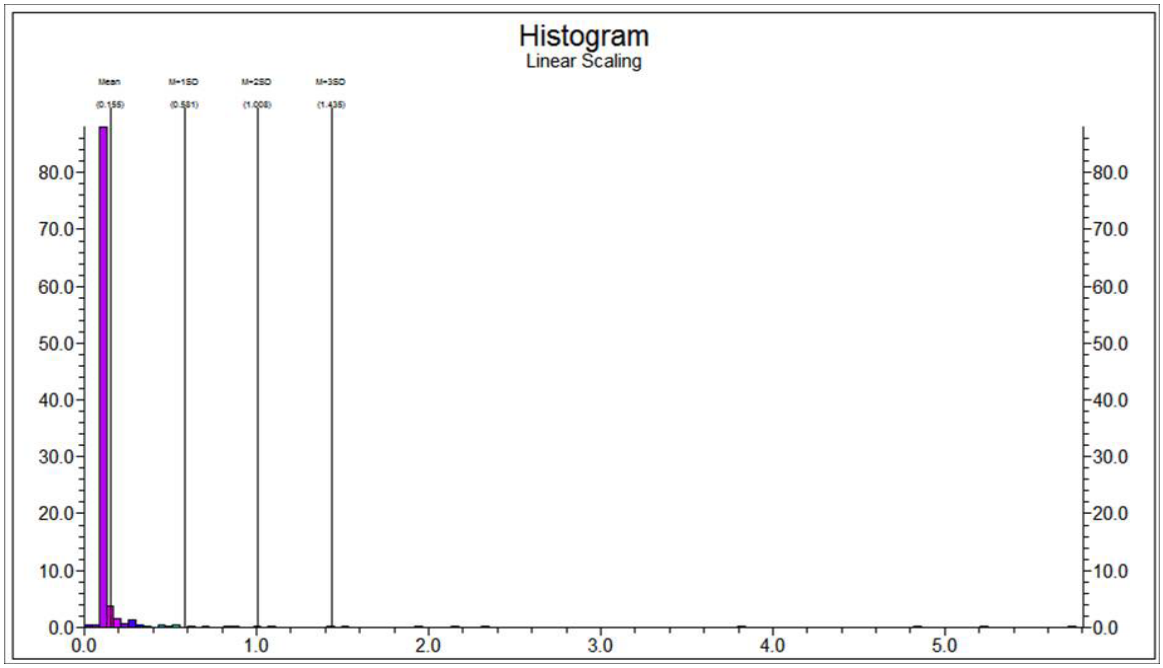
Apêndice I 1 – Histograma Linear das concentrações de Metano.



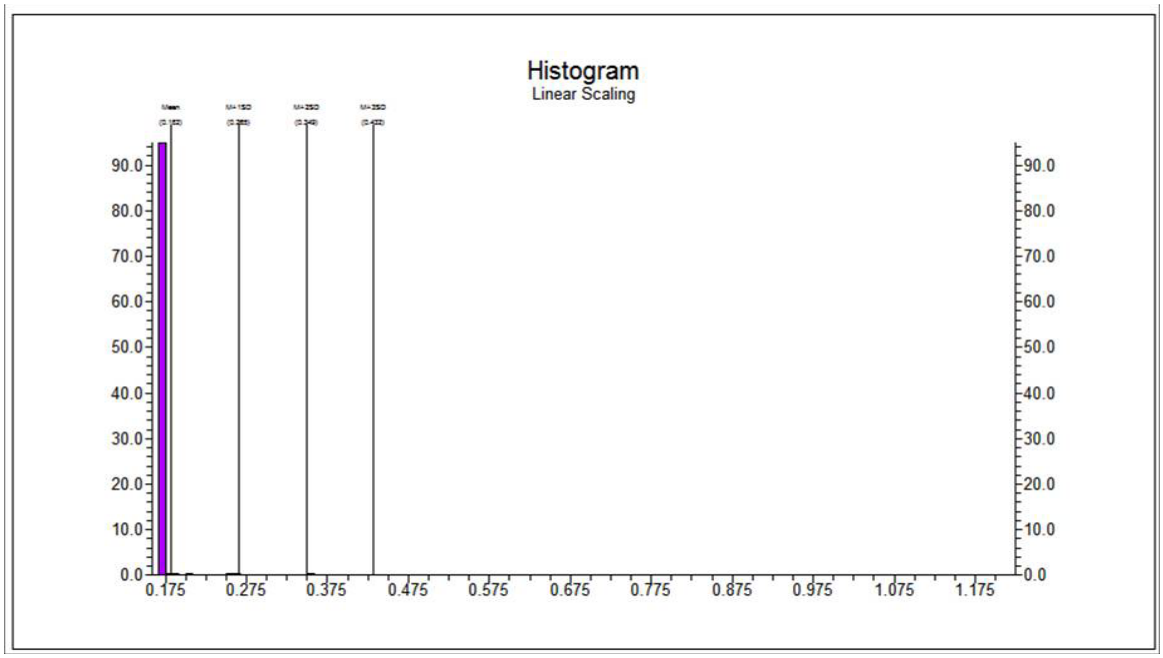
Apêndice I 2 – Histograma Linear das concentrações de Etano.



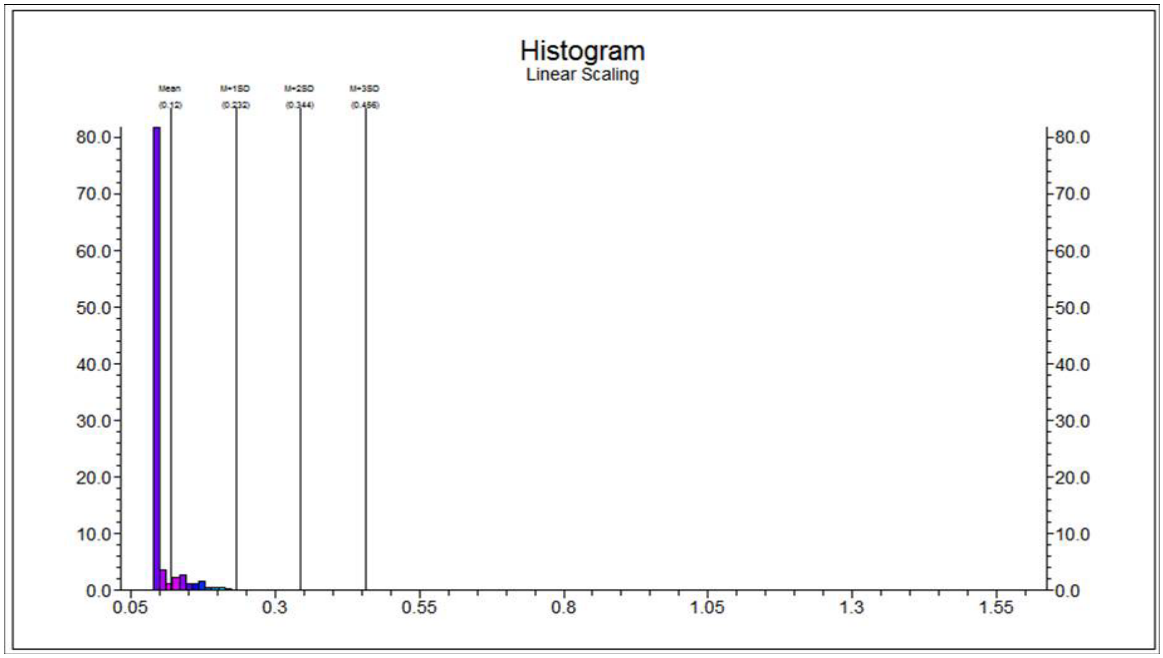
Apêndice I 3 – Histograma Linear das concentrações de Eteno.



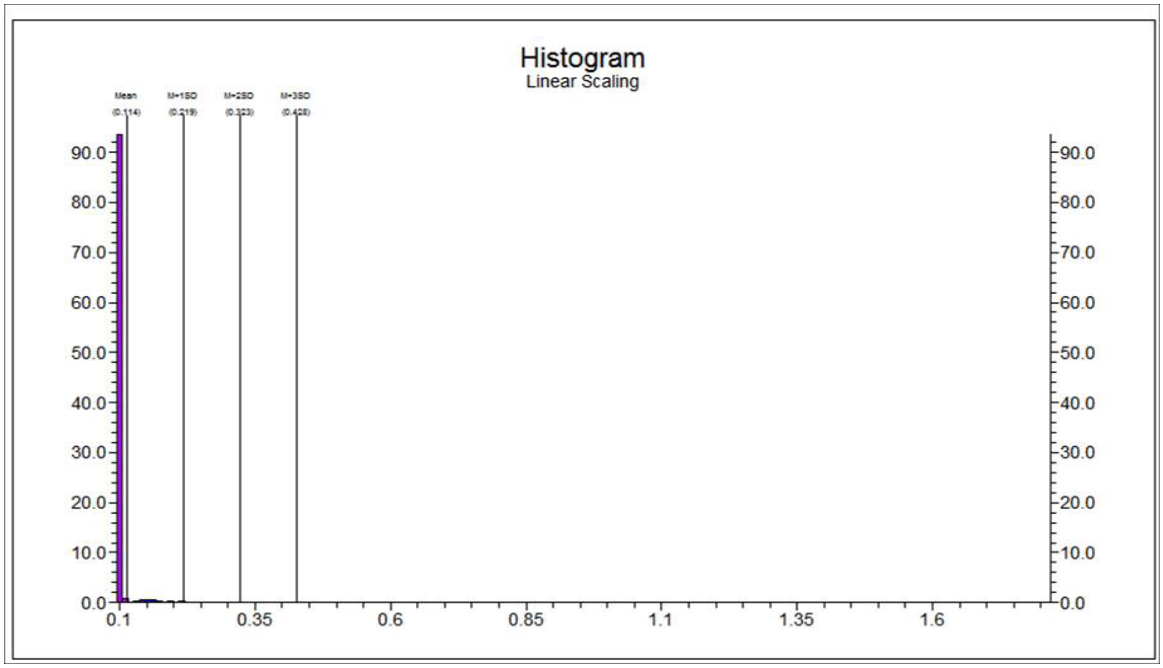
Apêndice I 4 – Histograma Linear das concentrações de Propano.



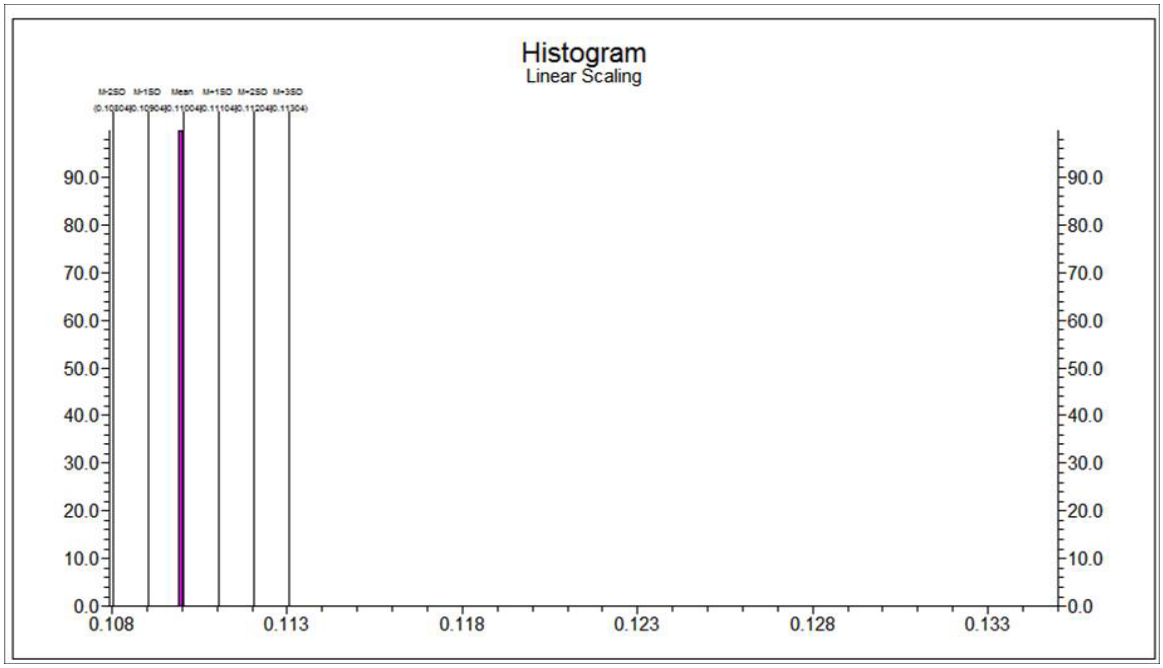
Apêndice I 5 – Histograma Linear das concentrações de Propeno.



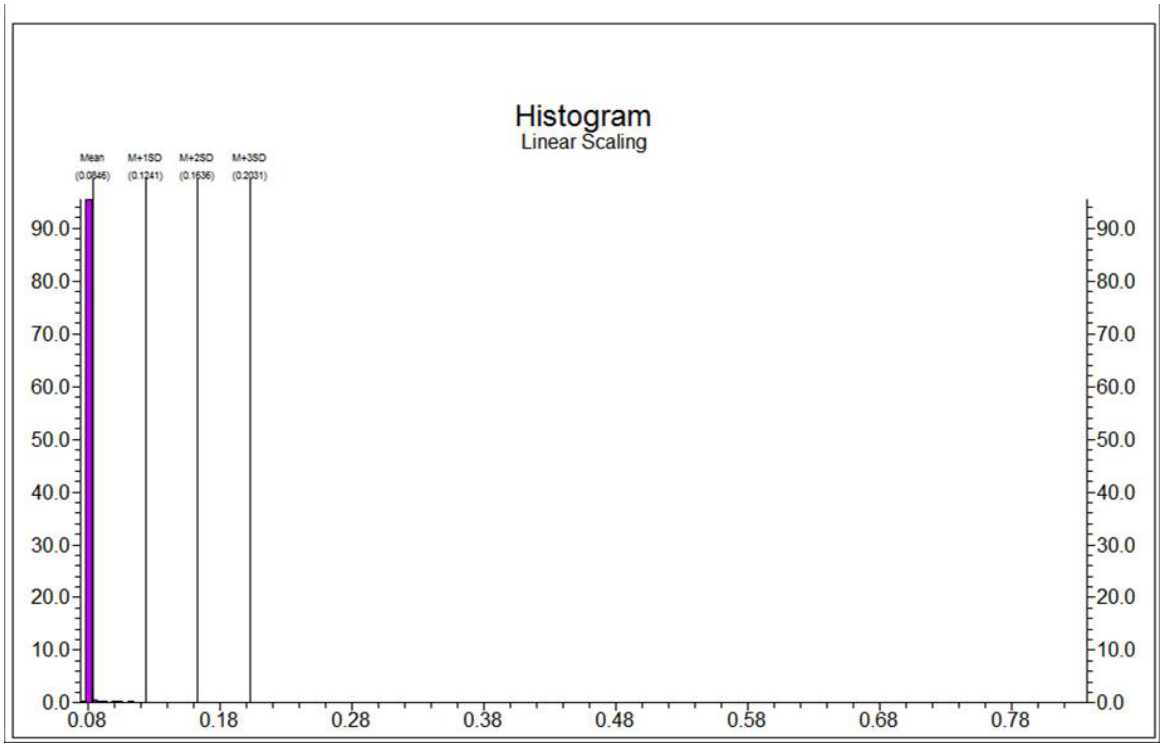
Apêndice I 6 – Histograma Linear das concentrações de I-Butano.



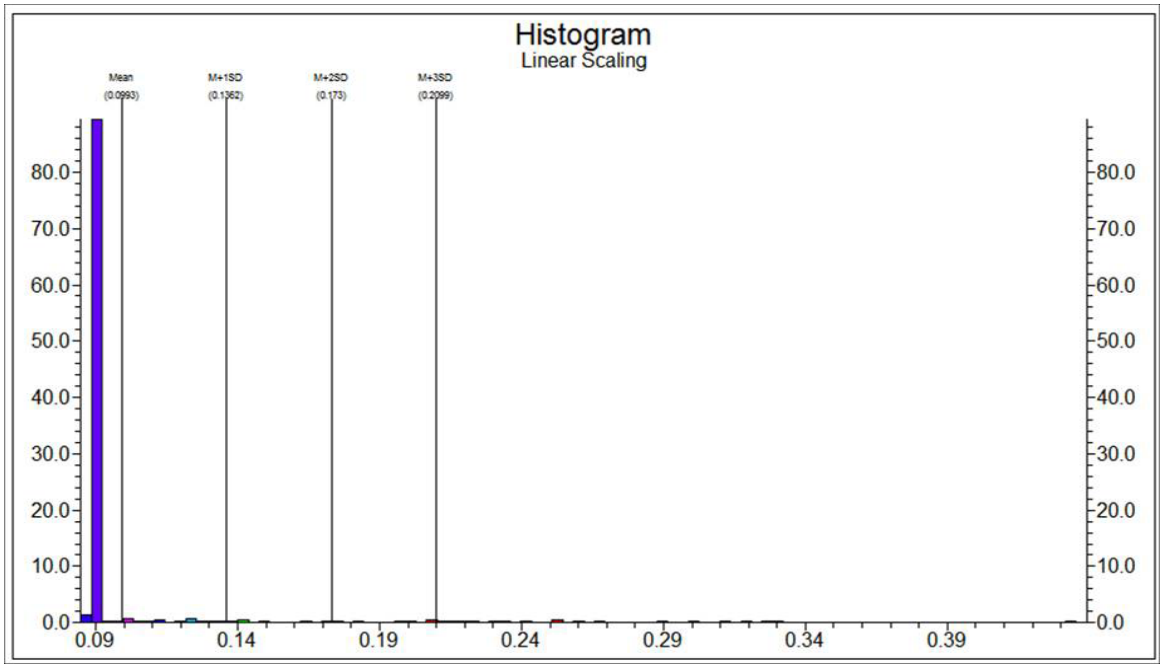
Apêndice I 7 – Histograma Linear das concentrações de N-Butano.



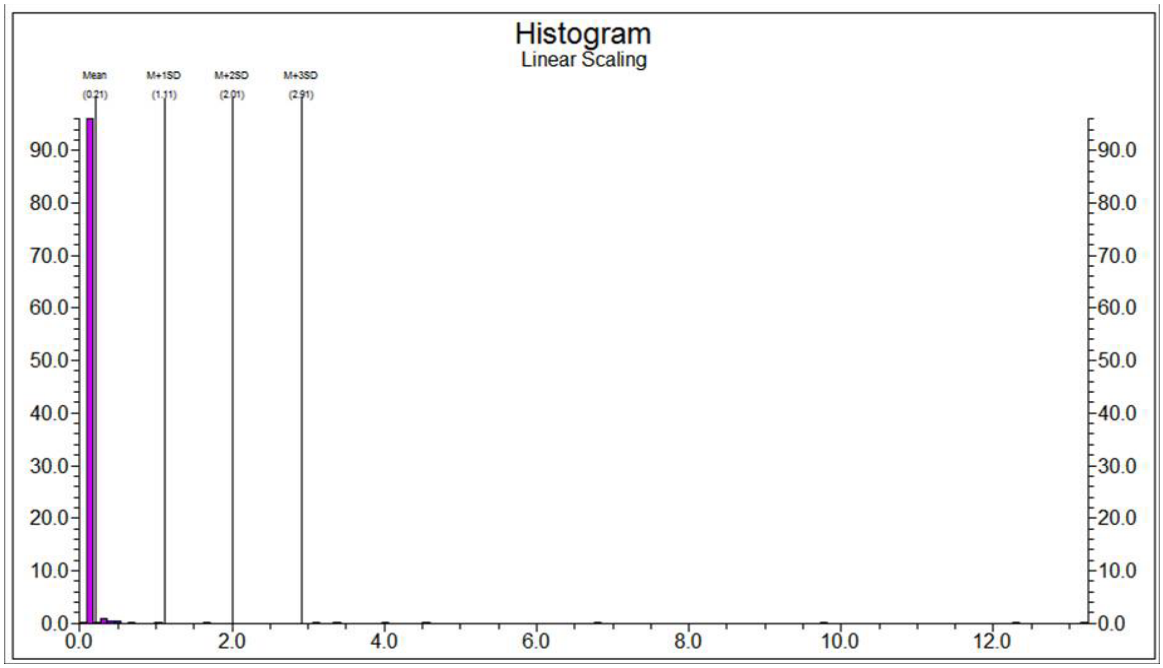
Apêndice I 8 – Histograma Linear das concentrações de 2-Buteno-Trans.



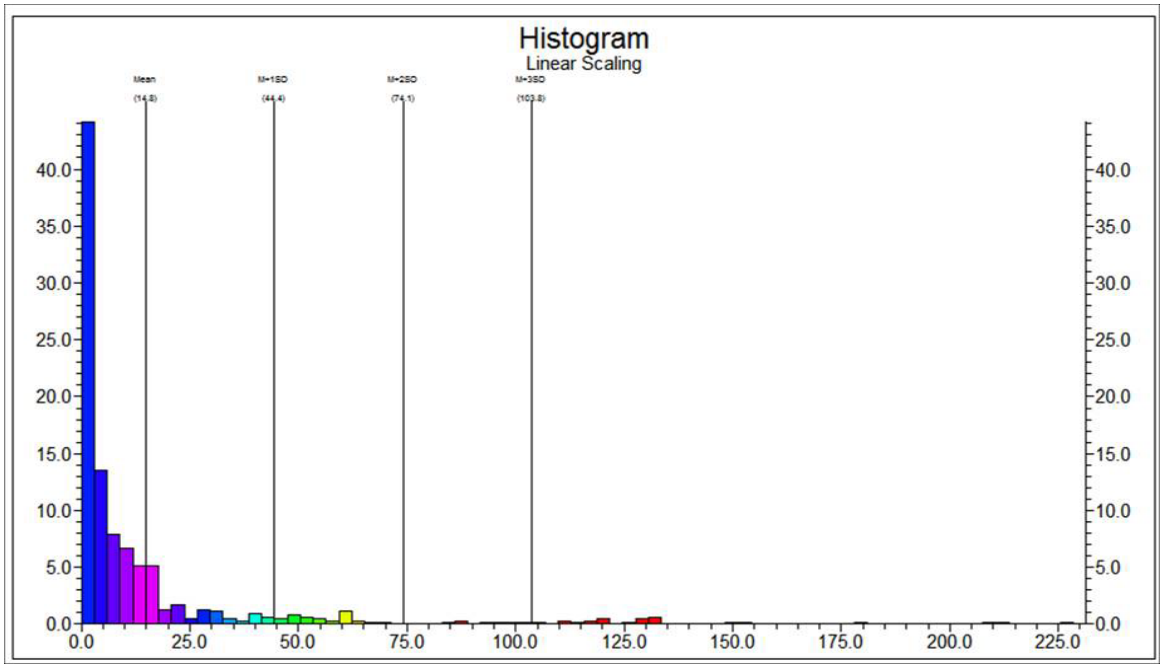
Apêndice I 9 – Histograma Linear das concentrações de 1-Buteno.



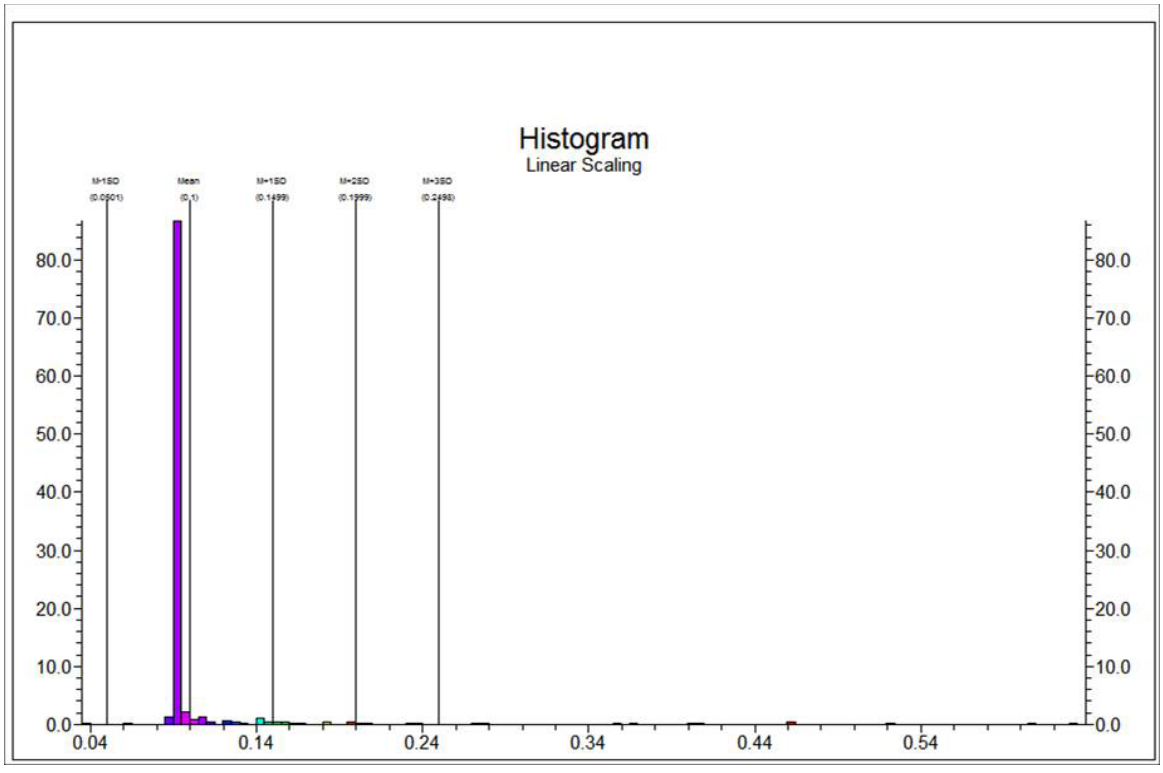
Apêndice I 10 – Histograma Linear das concentrações de 2-Buteno-Cis.



Apêndice I 11 – Histograma Linear das concentrações de Neo-Pentano.



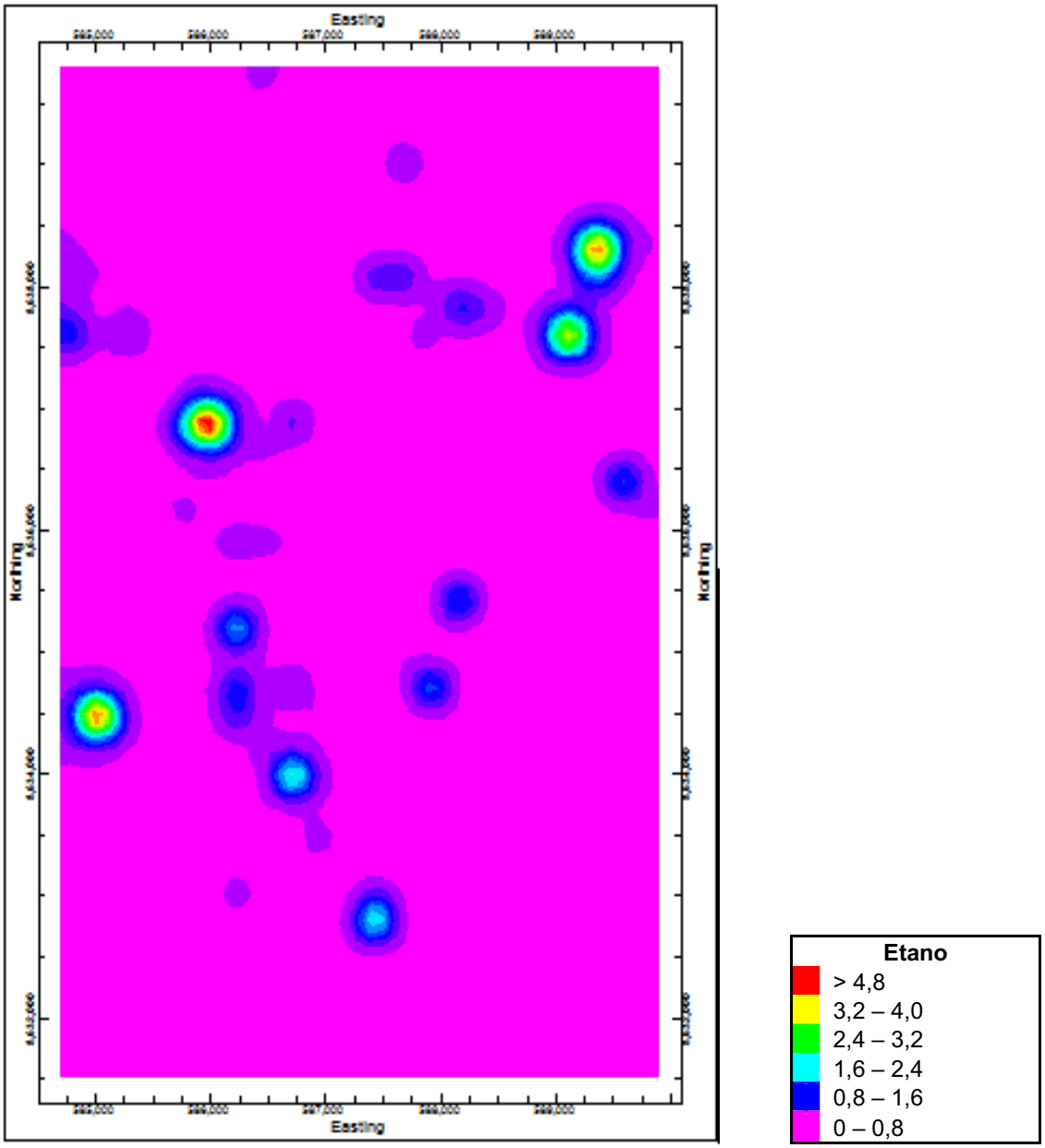
Apêndice I 12 – Histograma Linear das concentrações de I-Pentano.



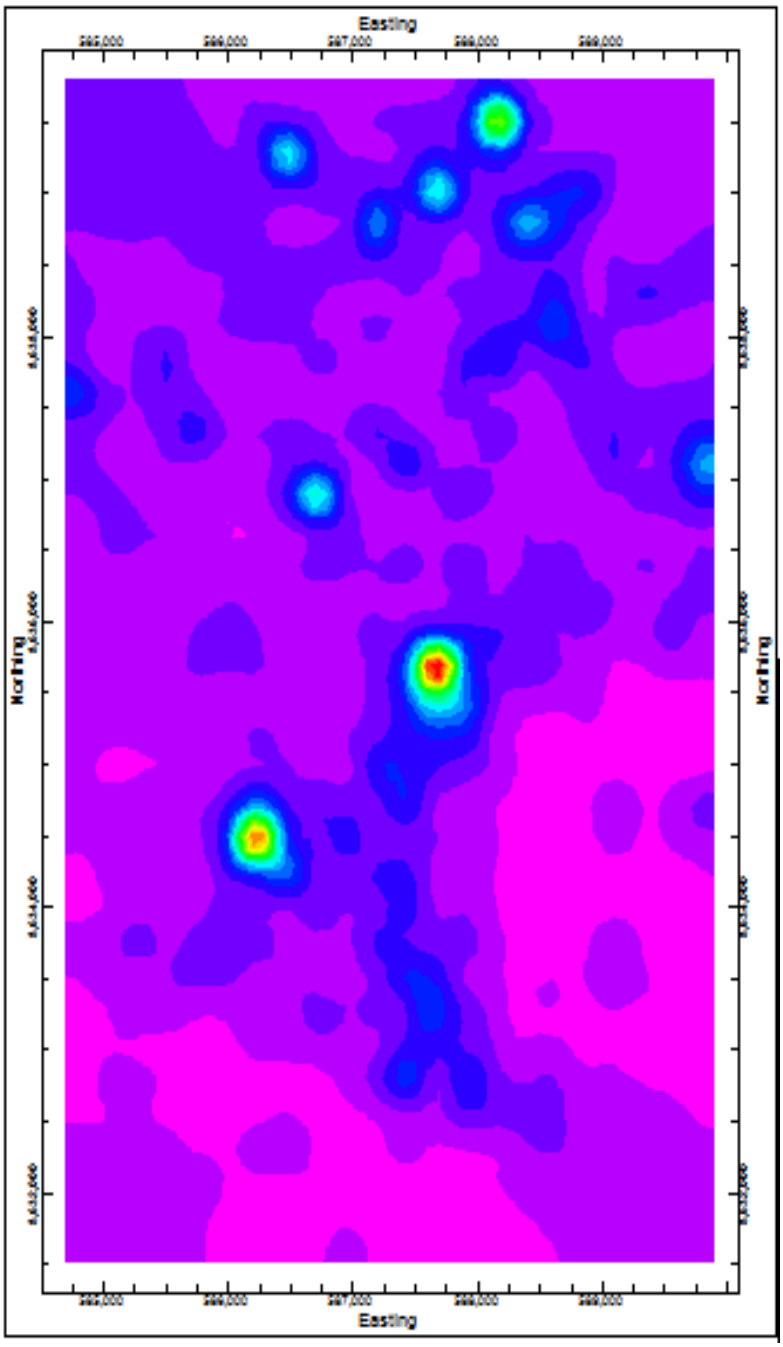
Apêndice I 13 – Histograma Linear das concentrações de N-Pentano.

APÊNDICE II

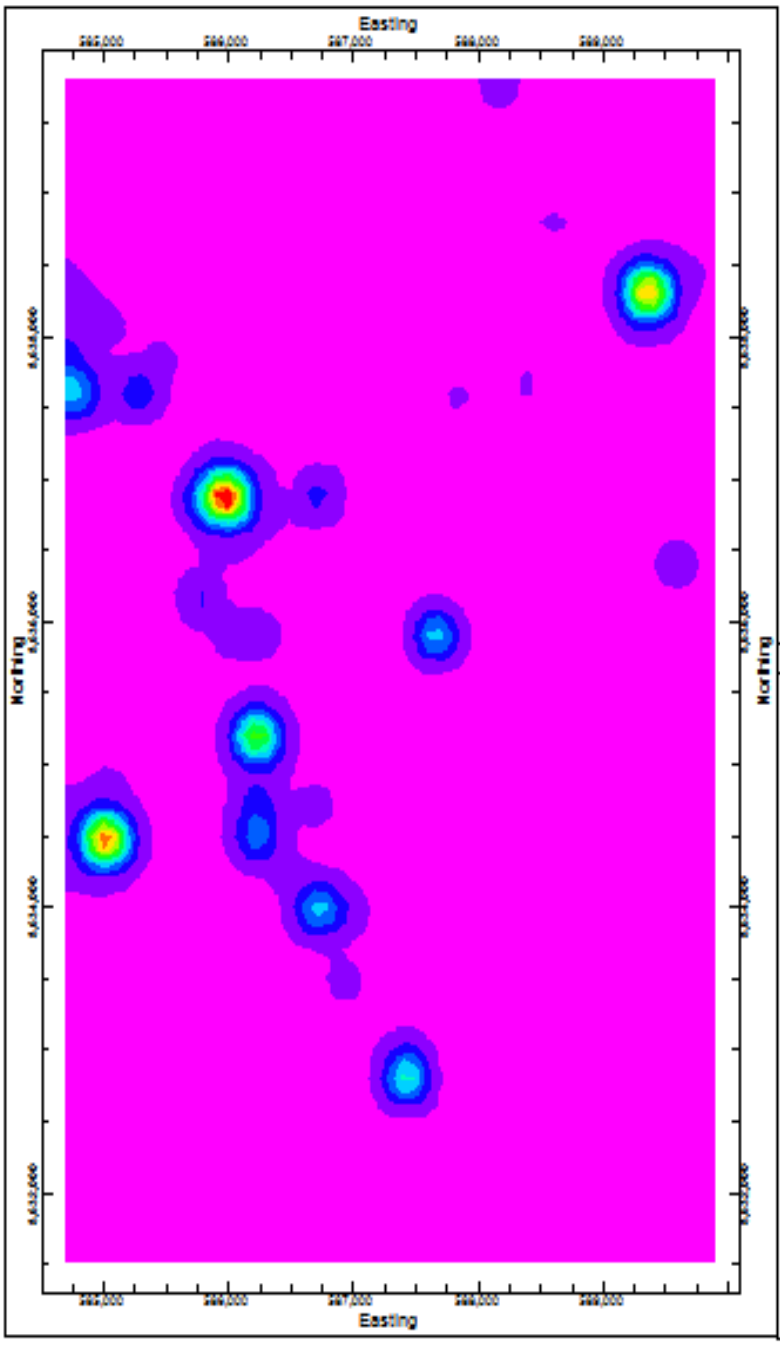
As figuras abaixo representam os mapas de concentração dos dados de gasometria. Todos os mapas apresentados neste apêndice foram interpolados pelo método do inverso da distância utilizando o software RockWorks 15.



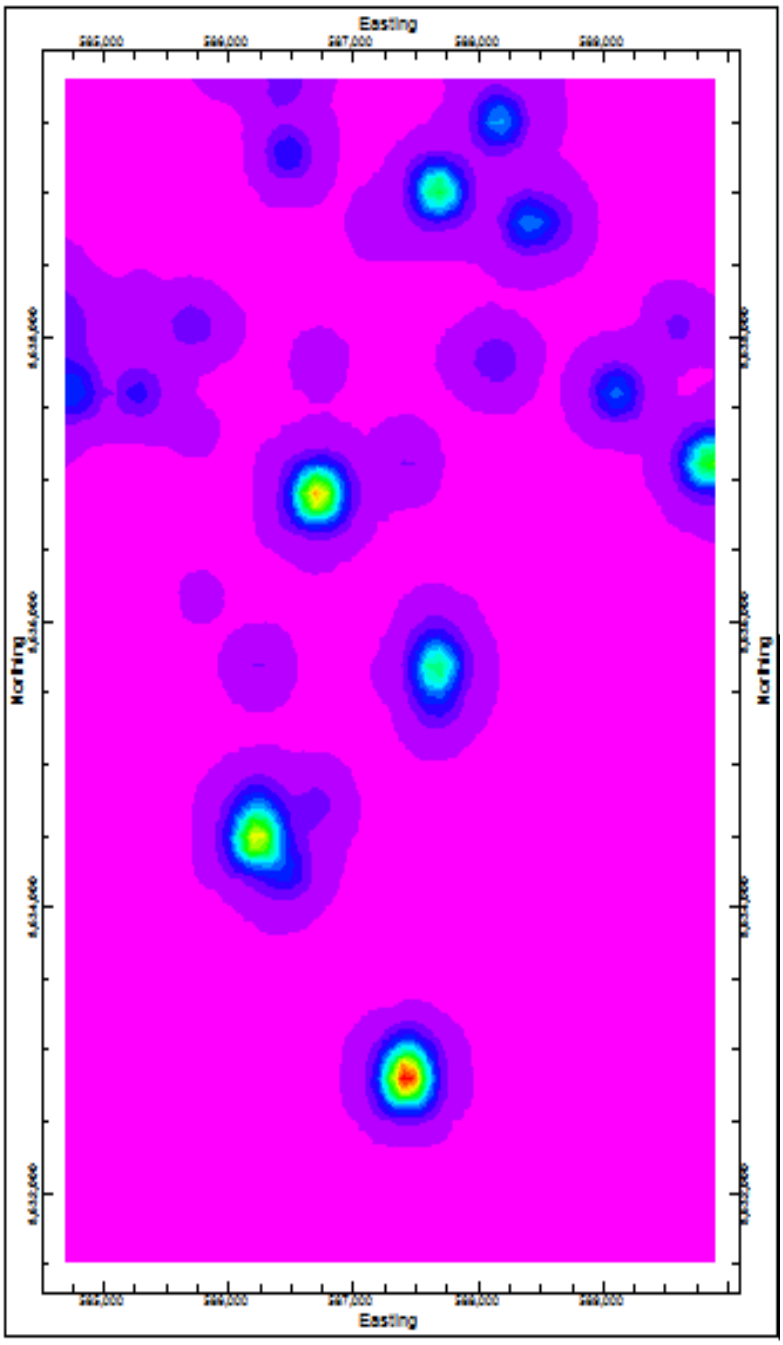
Apêndice II 1 – Mapa de concentração do Etano – dados da gasometria.



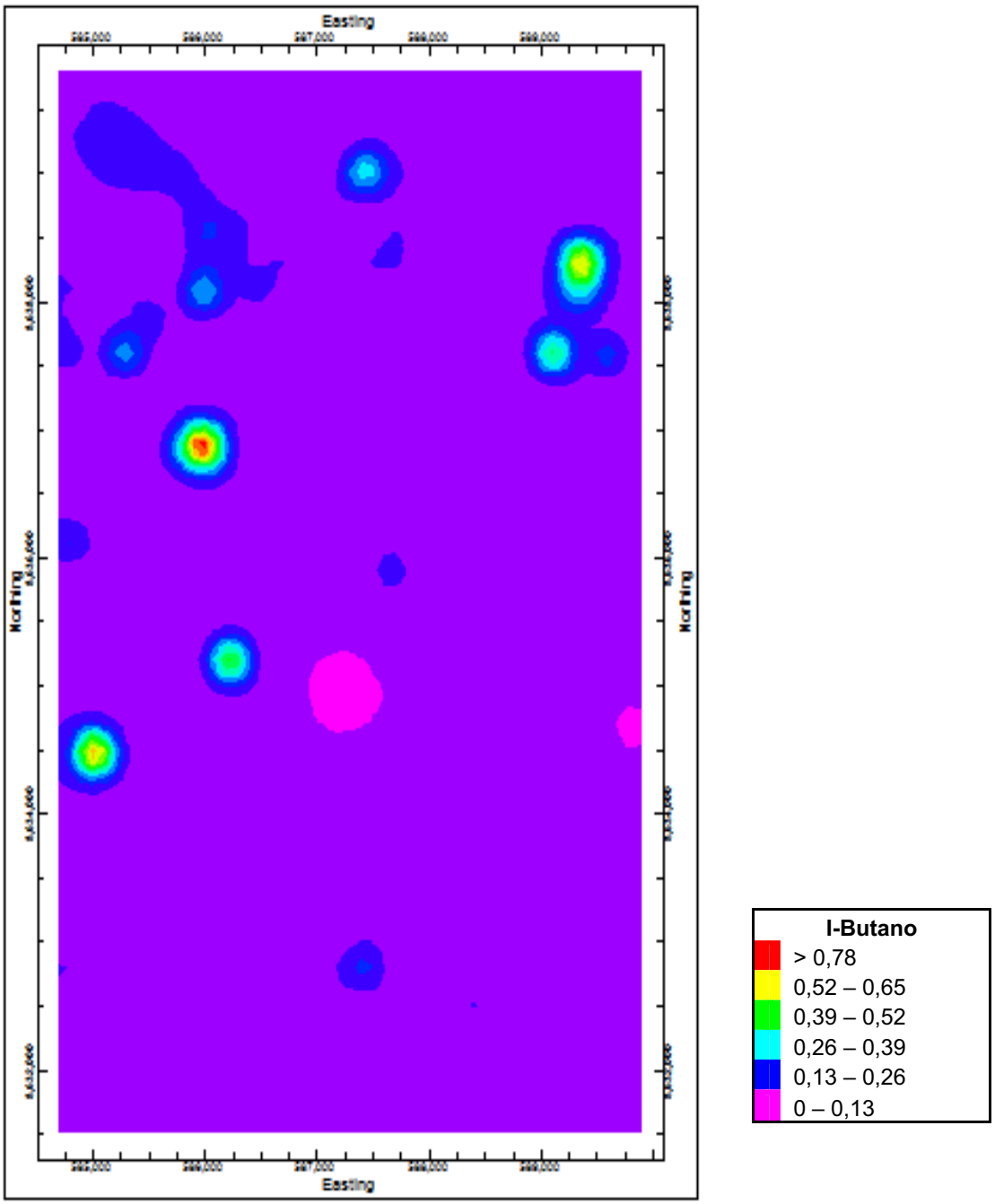
Apêndice II 2 – Mapa de concentração do Eteno – dados da gasometria.



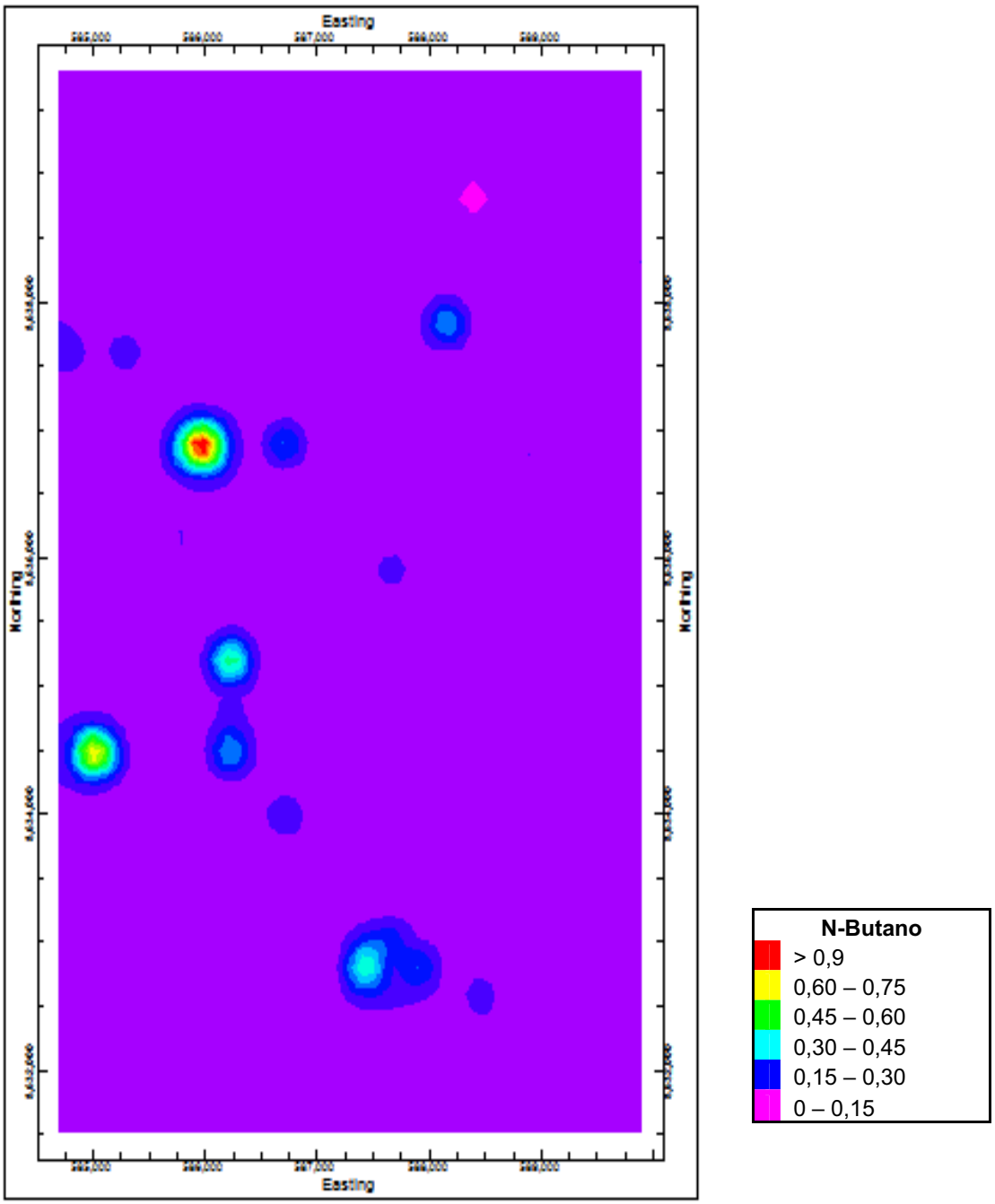
Apêndice II 3 – Mapa de concentração do Propano – dados da gasometria.



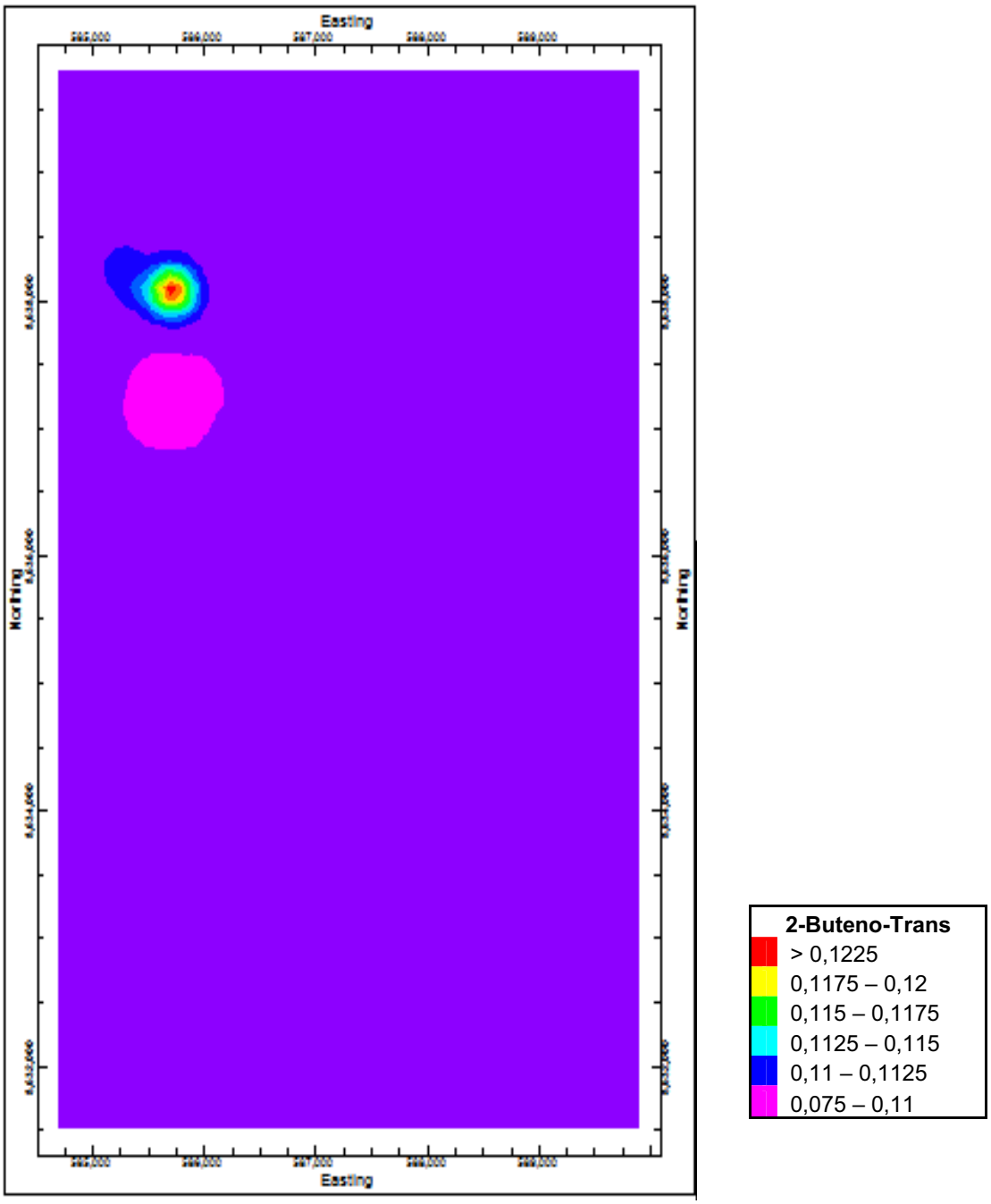
Apêndice II 4 – Mapa de concentração do Propeno – dados da gasometria.



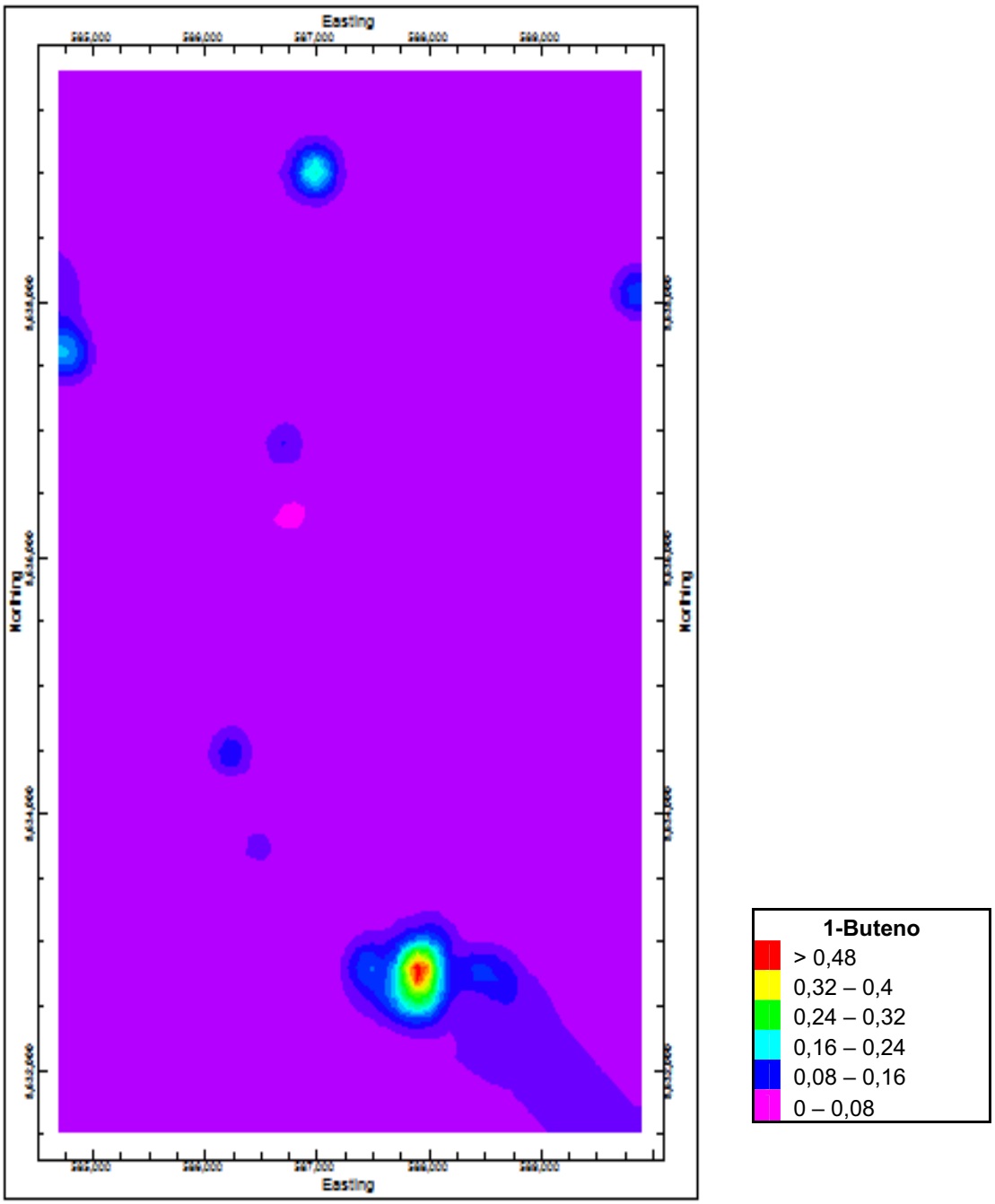
Apêndice II 5 – Mapa de concentração do I-Butano – dados da gasometria.



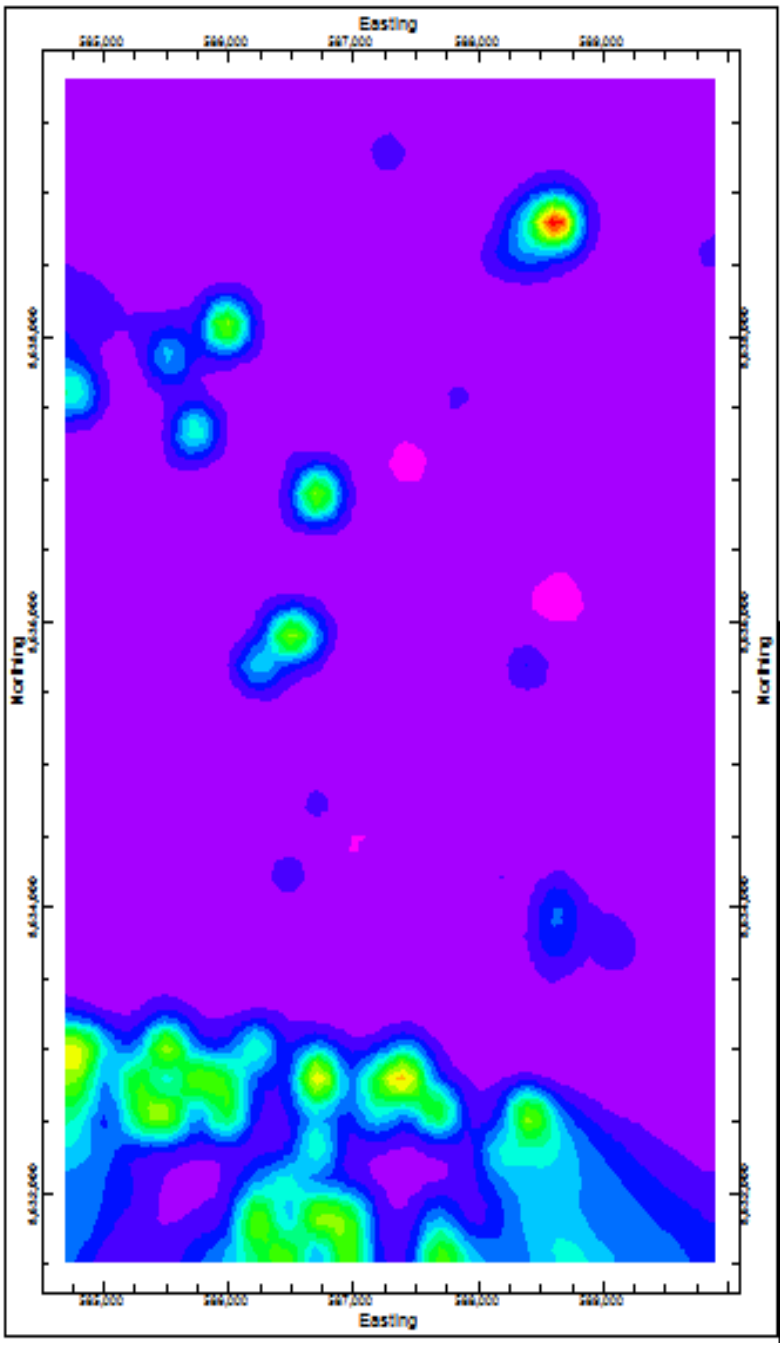
Apêndice II 6 – Mapa de concentração do N-Butano – dados da gasometria.



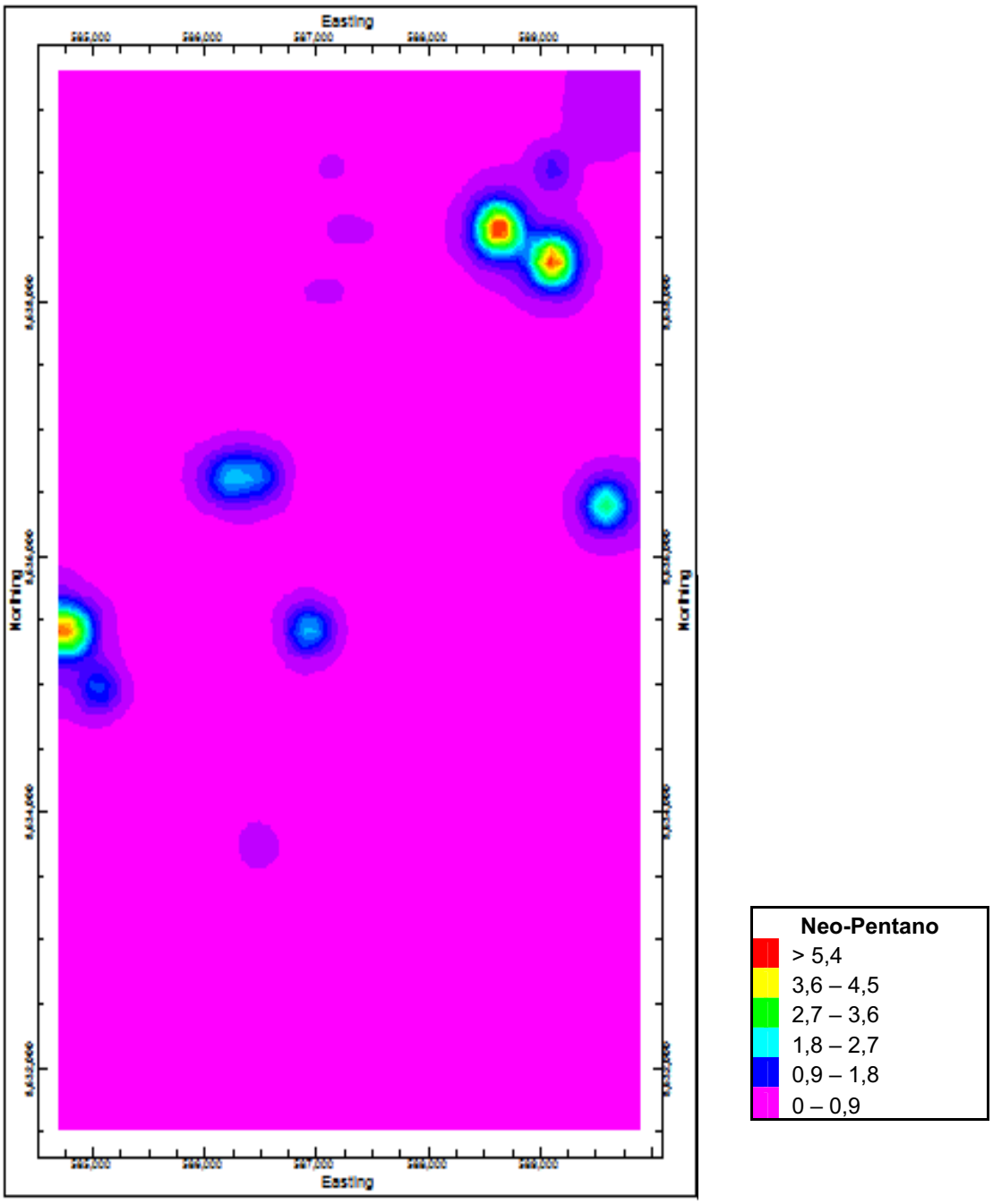
Apêndice II 7 – Mapa de concentração do 2-Buteno-Trans – dados da gasometria.



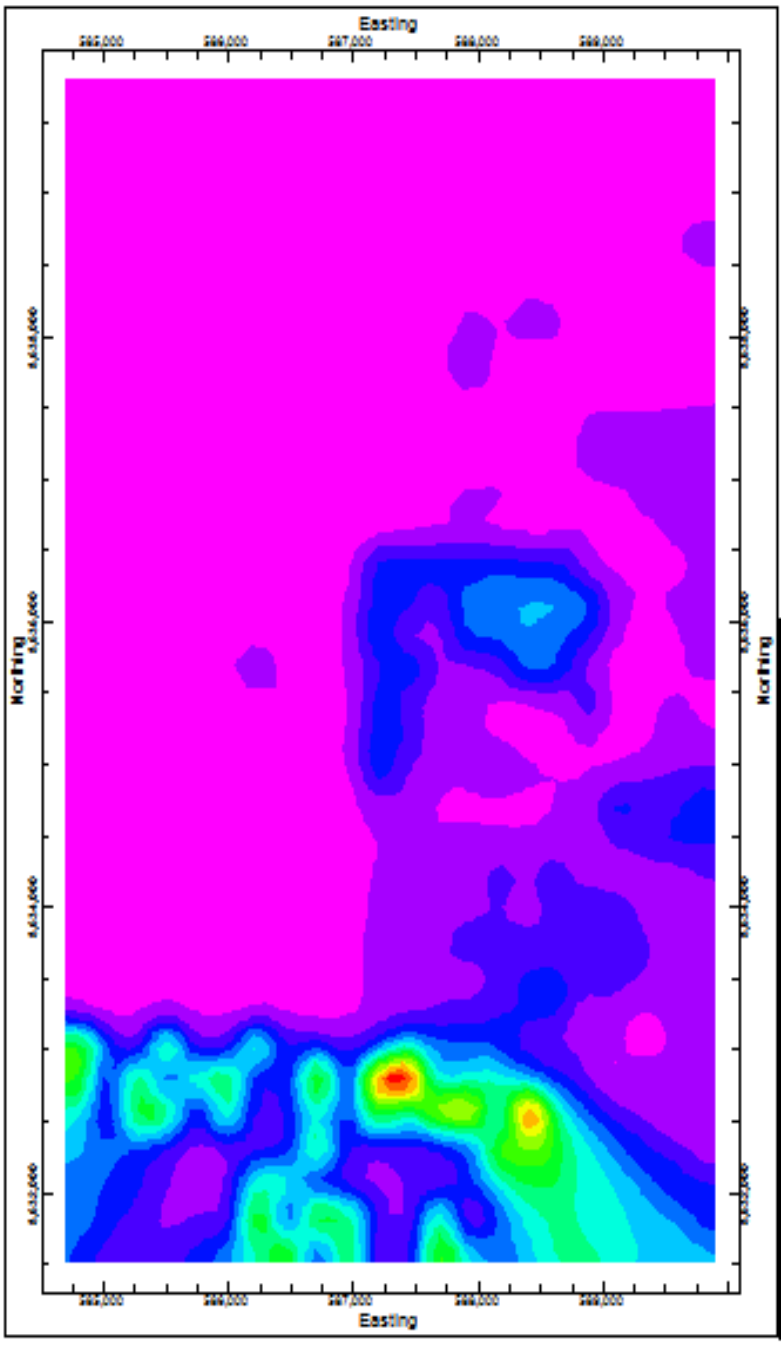
Apêndice II 8 – Mapa de concentração do 1-Buteno – dados da gasometria.



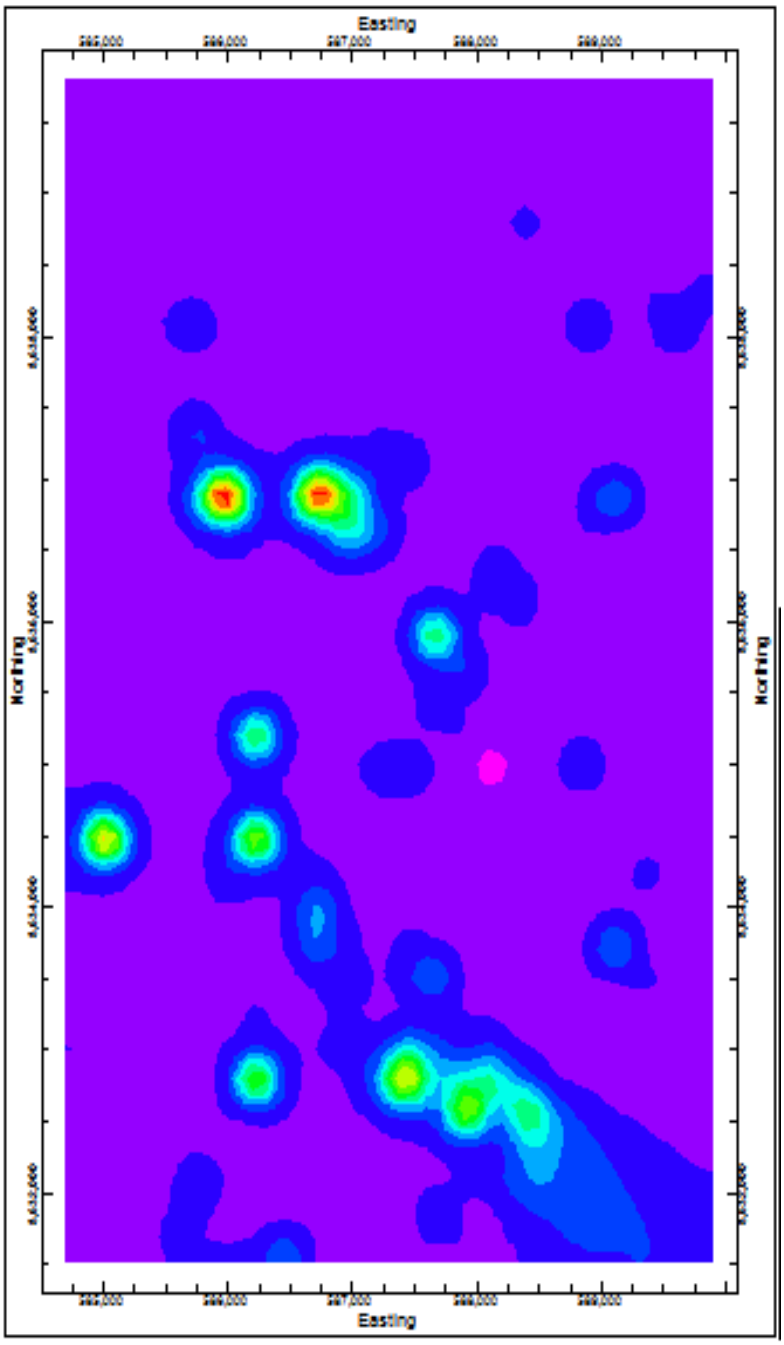
Apêndice II 9 – Mapa de concentração do 2-Buteno-Cis – dados da gasometria.



Apêndice II 10 – Mapa de concentração do Neo-Pentano – dados da gasometria.



Apêndice II 11 – Mapa de concentração do I-Pentano – dados da gasometria.



Apêndice II 12 – Mapa de concentração do N-Pentano – dados da gasometria.